DIP SWITCH	3x10010 4x10010 I:10009	0,0x0000 B:00 00			UINT16 R/O	
Returns the current setting of the Dip switches as decimal number and as hexadecimal number. DIPSwitchDec DIPSwitchHex The current value of the DIP switches: Bit 0: DIP Switch 1 (=0:OFF, =1:ON) Bit 1: DIP Switch 2 (=0:OFF, =1:ON) Bit 2: DIP Switch 3 (=0:OFF, =1:ON) Bit 3: DIP Switch 4 (=0:OFF, =1:ON)						
SOFTWARE RESET						
RESET	1x60001 2x60001 I:60000	0,0x00 B:00		N/A:NO CHANGE	BIT R/W	NO
Performs a software reset, whenever 1 is written to this register. If the host writes to this register 1, the module executes a soft reset (reboot).						
RESET	3x60001 4x60001 I:60000	0,0x0000 B:00 00		1:PERFORM RESET	UINT16 R/W	NO
Performs a software reset, whenever 1 is written to this register. If the host writes to this register 1, the module executes a soft reset (reboot).						
CONVERTER STATUS						
CONVERTER STATUS	3x60002 4x60002 I:60001	0,0x0000 B:00 00			UINT16 R/O	
Current status of the converter						
PRODUCT DATA						
HW_GROUP	3x65201 4x65201 I:65200	32768,0x8000 B:80 00			UINT16 R/O	
This is the group of hardware of the current product						
SW_GROUP	3x65202 4x65202 I:65201	257,0x0101 B:01 01			UINT16 R/O	
This is the group of software of the current product						
SW_VERSION	3x65203 4x65203 I:65202	4096,0x1000 B:10 00			UINT16 R/O	
		SW VERSION:1.0.0				
This is the current software version of the firmware						
SW_AUTHOR	3x65204 4x65204 I:65203	18771,0x4953 B:49 53			UINT16 R/O	
This is the current software author of the firmware						
MODBUS SETTINGS						

UNIT_ID	3x65222 4x65222 I:65221	0,0x0000 B:00 00		200	UINT16 R/W	NO
		UNIT ID:0				

f the host reads this register, the current programmed unit ID is returned. All values above unit ID 255 define also the unit ID 255.
If the host write a new value into this register, the new value will be stored in the FLASH as the new unit ID. The new unit ID is activated after a power off/power on cycle or a software reboot of the module.
The host can execute a reboot in writing to the register RESET SYSTEM.
NOTE:All DIP switches must set to ON (=15) to activate this unit ID, otherwise the unit ID is defined by the DIP switch settings.

HINT:This settings will be active after you repower or reset your device !!

BAUD_RATE	3x65223 4x65223 I:65222	9600,0x00002580 B:00 00 25 80	256000	256000	UINT32 R/W	NO
		9600Bd		ENTER BAUD RATE		

This is the current configured baud rate in the FLASH
NOTE:All DIP switches must set to ON (=15) to activate this baud rate, otherwise the baud rate is defined by the DIP switch settings.

Valid baud rates are:
300bd, 600bd, 900bd, 1200bd, 2400bd, 4800bd,
9600bd, 19200bd, 38400bd, 57600bd, 115200bd, 128000bd
230400bd, 250000bd, 256000bd

HINT:This settings will be active after you repower or reset your device !!

PARITY	3x65225 4x65225 I:65224	0,0x0000 B:00 00		1:EVEN PARITY	UINT16 R/W	NO
		NO PARITY		SELECT PARITY		

If the register is read out, the currently set parity of the serial interface is returned.
Writing a value to this register will change the new parity in FLASH. This will only take effect after a restart of the module. This can be triggered by writing to the RESET SYSTEM register.

Parity values are
0: no parity
1: even parity
2: odd parity

NOTE:All DIP switches must set to ON (=15) to activate this parity, otherwise the parity is defined by the DIP switch settings.

STOP BITS	3x65226 4x65226 I:65225	1,0x0001 B:00 01		2:TWO STOPBITS	UINT16 R/W	NO
		ONE STOPBIT		SELECT STOPBITS		

If the register is read out, the currently set number of stop bits of the serial interface is returned.
Writing a value to this register will change the new number of stop bits in the FLASH. This will only take effect after a restart of the module. This can be triggered by writing to the RESET SYSTEM register.

Values for stop bits are
1: one stop bit
2: two stop bits

NOTE:All DIP switches must set to ON (=15) to activate this stop bits, otherwise the stop bits are defined by the DIP switch settings.

HEART BEAT	**ASCII READ COMMAND**	#HEART BEAT<CR> #HB<CR> Result: #HB<CR>	ASCII	
	TX	#HEART BEAT<CR>		
	RX	#255,HB<CR>		
Sends an Heartbeat to test the communcation				
GET VERSION	**ASCII READ COMMAND**	#VERSION<CR> #VER<CR> Result: #VERSION:<VersionHi>,<VersionMed>,<VersionLo><CR>	ASCII	
	TX	#VERSION<CR>		
	RX	#255,VERSION:1.0.0<CR>		
		Current SW version:1.0.0		
Returns the version number of the module VersionHi: Version number high (1..255) VersionMed: Version number medium (1..255) VersionLo: Version number low (1..255)				
GET TYPE	**ASCII READ COMMAND**	#TYPE<CR> #TYP<CR> Result: #TYPE:<Type><CR>	ASCII	
	TX	#TYPE<CR>		
	RX	#255,TYPE:RESI-RC-CU1-SIO<CR>		
		Current module type:RESI-RC-CU1-SIO		
Returns the current module type				
GET OWNER	**ASCII READ COMMAND**	#OWNER<CR> #OWN<CR> Result: #OWNER:<Owner><CR>	ASCII	
	TX	#OWNER<CR>		
	RX	#255,OWNER:RESI<CR>		
		Current owner:RESI		
Returns the current owner of the module				
GET CREATOR	**ASCII READ COMMAND**	#CREATOR<CR> #CRE<CR> Result: #CREATOR:<Creator><CR>	ASCII	
	TX	#CREATOR<CR>		
	RX	#255,CREATOR:DI HC SIGL,MSC<CR>		
		Current creator:DI HC SIGL,MSC		
Returns the current creator of the module				

GET COPYRIGHT	**ASCII READ COMMAND**	#COPYRIGHT<CR> #COPY<CR> Result: #COPYRIGHT:<Copyright><CR>	ASCII	
	TX	#COPYRIGHT<CR>		
	RX	#255,COPYRIGHT:2016,2020 BY RESI AND DI HC SIGL,MSC WWW.RESI.CC<CR>		
		Current copyright:2016,2020 BY RESI AND DI HC SIGL,MSC WWW.RESI.CC		
Returns the current copyright of the module				
GET SERIAL NUMBER	**ASCII READ COMMAND**	#SERIAL NUMBER<CR> #SN<CR> Result: #SN:<Serial><CR>	ASCII	
	TX	#SERIAL NUMBER<CR>		
	RX	#255,SN:3536470D30343731005F5D60<CR>		
		Current serial number:3536470D30343731005F5D60		
Returns the current serial number of the module				
GET INTERNAL STATUS	**ASCII READ COMMAND**	#INTERNAL STATUS<CR> #INTSTAT<CR> Result: #INTSTAT:<Status><CR>	ASCII	
	TX	#INTERNAL STATUS<CR>		
	RX	#255,INTSTAT:<CR>		
		Current internal status of I2C:N/A		
		Current internal status of BME680:N/A		
Returns the device specific internal status				
GET DIP SWITCH	**ASCII READ COMMAND**	#GET DIP<CR> #GDIP<CR> Result: #GDIP:<DIPSwitchDec>,<DIPSwitchHex><CR>	ASCII	
	TX	#GET DIP<CR>		
	RX	#255,GDIP:0,0x0<CR>		
		Current DIP SWITCH settings:00000000		
Returns the current setting of the Dip switches as decimal number and as hexadecimal number. DIPSwitchDec DIPSwitchHex The current value of the DIP switches: Bit 0: DIP Switch 1 (=0:OFF, =1:ON) Bit 1: DIP Switch 2 (=0:OFF, =1:ON) Bit 2: DIP Switch 3 (=0:OFF, =1:ON) Bit 3: DIP Switch 4 (=0:OFF, =1:ON) Bits 4-8: always 0				
ASCII COMMANDS				
SET MODBUS ADDRESS	**ASCII WRITE COMMAND**	#SET MODBUS ADDRESS:<UNITID><CR> #SETMBADR:<UNITID><CR> Result: #OK<CR>	ASCII	NO
	UNITID	1		

	TX	#SET MODBUS ADDRESS:1<CR>		
	RX	N/A		

Redefines the unit ID of the module. This change will affect the MODBUS/RTU communication immediately. As a Unit IO you can use the values 0dec to 255dec.

NOTE:All DIP switches must set to ON (=15) to activate this unit ID, otherwise the unit ID is defined by the DIP switch settings.

SET MODBUS BAUDRATE	**ASCII WRITE COMMAND**	#SET MODBUS BAUDRATE:<BAUD><CR> #SETMBBAUD:<BAUD><CR> Result: #OK<CR>	ASCII	NO
	BAUD	57600:57600BD		
	TX	#SET MODBUS BAUDRATE:57600<CR>		
	RX	N/A		

Sets a new baud rate in the FLASH
For ULTRA SLIM IOs RESI-xxx-SIO: This baudrate is only used, if DIP switch mode DIP1=ON+DIP2=ON (BR) (default is 57600bd)
For BIG IOs RESI-xxx-SIO: This baudrate is only used, if DIP switch mode DIP7=ON (PARAMETER) (default is 57600bd)
The following baudrates are allowed:
300bd, 600bd, 900bd, 1200bd, 2400bd, 4800bd,
9600bd, 19200bd, 38400bd, 57600bd, 115200bd, 128000bd
230400bd, 250000bd, 256000bd

NOTE:All DIP switches must set to ON (=15) to activate this baud rate, otherwise the baud rate is defined by the DIP switch settings.

SET MODBUS PARITY	**ASCII WRITE COMMAND**	#SET MODBUS PARITY:<PARITY><CR> #SETMBPAR:<PARITY><CR> Result: #OK<CR>	ASCII	NO
	PARITY	NONE:NO PARITY		
	TX	#SET MODBUS PARITY:NONE<CR>		
	RX	N/A		

Sets a new parity for the serial interface.
MBParity:
NONE: no parity
EVEN: even parity
ODD: odd parity

NOTE:All DIP switches must set to ON (=15) to activate this parity, otherwise the parity is defined by the DIP switch settings.

SET MODBUS STOPS	**ASCII WRITE COMMAND**	#SET MODBUS STOP:<STOPBIT><CR> #SETMBSTOP:<STOPBIT><CR> Result: #OK<CR>	ASCII	NO
	STOPBIT	ONE:ONE STOPBIT		
	TX	#SET MODBUS STOP:ONE<CR>		
	RX	N/A		

Sets a new amount of stop bits for the serial interface.
MBStops
ONE: one stop bit
TWO: two stop bits

NOTE:All DIP switches must set to ON (=15) to activate this stop bits, otherwise the stop bits are defined by the DIP switch settings.

SET MODBUS PARAMS	**ASCII WRITE COMMAND**	#SET MODBUS PARAMS:<UNITID>,<BAUD>,<PARITY>,<STOPBIT><CR> #SETMBPARAMS:<UNITID>,<BAUD>,<PARITY>,<STOPBIT><CR> Result: #OK<CR>	ASCII	NO
	UNITID	1		
	BAUD	256000:256000BD		
	PARITY	EVEN:EVEN PARITY		
	STOPBIT	TWO:TWO STOPBITS		
	TX	#SET MODBUS PARAMS:1,256000,EVEN,TWO<CR>		
	RX	N/A		

Sets all parameters for serrial interface

NOTE:All DIP switches must set to ON (=15) to activate this parameters, otherwise the parameters are defined by the DIP switch settings.

GET MODBUS ADDRESS	**ASCII READ COMMAND**	#GET MODBUS ADDRESS<CR> #GMBADR<CR> Result: #GMBADR:<MBUnitDec>,<MBFLASHDec>,<MBUnitHex>,<MBFLASHHex><CR>	ASCII	
	TX	#GET MODBUS ADDRESS<CR>		
	RX	#255,GMBADR:255,1,0xFF,0x1<CR>		
		Current MODBUS unit ID for DIP4=OFF:255,1,0xFF,0x1		

Shows the current used MODBUS/RTU or ASCII unit address and shows also the stored unit address in the FLASH memory, which is only used if the DIP switch for the bus address is set to 0.
MBUnitDec
MBUnitHex
The current used MODBUS/RTU unit or ASCII address for communication
MBFLASHDec
MBFLASHHex
The internal stored MODBUS/RTU unit address or ASCII address from the FLASH memory, if the DIP switch DIP3 is OFF.

GET MODBUS BAUDRATE	**ASCII READ COMMAND**	#GET MODBUS BAUDRATE<CR> #GMBBAUD<CR> Result: #GMBBAUD:<BaudRate><CR>	ASCII	
	TX	#GET MODBUS BAUDRATE<CR>		
	RX	#255,GMBBAUD:57600,0xE100<CR>		
		Current baudrate for DIP1+2=ON:57600,0xE100		

This is the current configured baud rate in the FLASH
For ULTRA SLIM IOs RESI-xxx-SIO: This baudrate is only used, if DIP switch mode DIP1=ON+DIP2=ON (BR) (default is 57600bd)
For BIG IOs RESI-xxx-SIO: This baudrate is only used, if DIP switch mode DIP7=ON (PARAMETER) (default is 57600bd)
The following baudrates are allowed:
300bd, 600bd, 900bd, 1200bd, 2400bd, 4800bd,
9600bd, 19200bd, 38400bd, 57600bd, 115200bd, 128000bd
230400bd, 250000bd, 256000bd

GET MODBUS PARITY	**ASCII READ COMMAND**	#GET MODBUS PARITY<CR> #GMBPAR<CR> Result: #GMBPAR:<MBParity><CR>	ASCII	
	TX	#GET MODBUS PARITY<CR>		
	RX	#255,GMBPAR:NONE<CR>		
		Current parity:NONE		

Shows the current configured parity of the serial interface.
MBParity
NONE: no parity
EVEN: even parity
ODD: odd parity

GET MODBUS STOP	**ASCII READ COMMAND**	#GET MODBUS STOP<CR> #GMBSTOP<CR> Result: #GMBSTOP:<MBStop><CR>	ASCII	
	TX	#GET MODBUS STOP<CR>		
	RX	#255,GMBSTOP:ONE<CR>		
		Current stopbit(s):ONE		

Shows the current configured parity of the serial interface.
MBParity
NONE: no parity
EVEN: even parity
ODD: odd parity

GET MODBUS PARAMS	**ASCII READ COMMAND**	#GET MODBUS PARAMS<CR> #GMBPARAMS<CR> Result: #GMBPARAMS:<MBUnitDec>,<MBFLASHDec>,<MBUnitHex>,<MBFLASHHex>, <MBBaudrateDec>,<MBBaudrateHex>,<MBParity>,<MBStops><CR>	ASCII	
	TX	#GET MODBUS PARAMS<CR>		
	RX	#255,GMBPARAMS:255,0xFF,1,0x1,57600,0xE100,NONE,ONE<CR>		
		Current MODBUS unit ID used:255		
		Current MODBUS unit ID in FLASH:1		
		Current baudrate in FLASH:57600		
		Current parity in FLASH:NONE		
		Current stopbit(s) in FLASH:ONE		

Returns the complete settings for serial interface

ASCII COMMANDS

RESET	**ASCII WRITE COMMAND**	#RESET<CR> #RST<CR> Result: #OK<CR>	ASCII	NO
	TX	#RESET<CR>		
	RX	N/A		
Executes a software reset (Reboot) of the module.				
FACTORY RESET	**ASCII WRITE COMMAND**	#FACTORY RESET<CR> #FRST<CR> Result: #OK<CR>	ASCII	YES
	TX	#FACTORY RESET<CR>		
	RX	N/A		

FRAME LED MODE	3x50001 4x50001 I:50000	0,0x0000 B:00 00		0:NORMAL	UINT16 R/W	
		Current mode:NORMAL				
This is the current mode for the RGB frame lights: =0:NORMAL MODE:Normal mode. In this mode you can write new RGB values to the register RED,GREEN and BLUE and the RGB light will light in this color =1:ALWAYS OFF: In this mode the RGB frame lights are always off, ignoring the current values in RED, GREEN and BLUE =2:BLINK SLOW:In this mode you can write new RGB values to the register RED, GREEN and BLUE and the RGB light will flash slow (approx. 1second) in this color =3:BLINK FAST:In this mode you can write new RGB values to the register RED, GREEN and BLUE and the RGB light will flash fast (approx. 100ms) in this color =4:EEPROM MODE:After restart of the module, the settings from EEPROM RED, EEPROM GREEN and EEPROM BLUE aure used for the RGB frame lights =5:EEPROM MODE+BLINK SLOW:In this mode the RGB values from the registers EEPROM RED, EEPROM GREEN and EEPROM BLUE are used to flash the RGB lights slow (approx. 1second) =6:EEPROM MODE+BLINK FAST:In this mode the RGB values from the registers EEPROM RED, EEPROM GREEN and EEPROM BLUE are used to flash the RGB lights fast (approx. 100ms) =7:RAINBOW EFFECT: In this mode the RGB lights show a rainbow effect over time =8:CO2 SENSOR:Show the status of the CO2 sensor =9:VOC SENSOR:Show the status of VOC sensor =10: TRIGGER WITH KEY: Every keypress triggers the frame leds for 1 second						
FRAME LED ACTUAL RED	3x50002 4x50002 I:50001	0,0x0000 B:00 00			UINT16 R/O	
		Current RED value:0,0%				
This is the actual RED value of the RGB frame light between 0 and 4095 (0x0000-0x0FFF)						
FRAME LED ACTUAL GREEN	3x50003 4x50003 I:50002	0,0x0000 B:00 00			UINT16 R/O	
		Current GREEN value:0,0%				
This is the actual GREEN value of the RGB frame light between 0 and 4095 (0x0000-0x0FFF)						
FRAME LED ACTUAL BLUE	3x50004 4x50004 I:50003	0,0x0000 B:00 00			UINT16 R/O	
		Current BLUE value:0,0%				
This is the actual BLUE value of the RGB frame light between 0 and 4095 (0x0000-0x0FFF)						
FRAME LED RED	3x50005 4x50005 I:50004	0,0x0000 B:00 00	4095	100,00	UINT16 R/W	NO
		New RED value:0,0%				
This is the new RED value of the RGB frame light between 0 and 4095 (0x0000-0x0FFF), which is used in modes NORMAL MODE, BLINK SLOW and BLINK FAST						
FRAME LED GREEN	3x50006 4x50006 I:50005	0,0x0000 B:00 00	4095	100,00	UINT16 R/W	NO
		New GREEN value:0,0%				
This is the new GREEN value of the RGB frame light between 0 and 4095 (0x0000-0x0FFF), which is used in modes NORMAL MODE, BLINK SLOW and BLINK FAST						
FRAME LED BLUE	3x50007 4x50007 I:50006	0,0x0000 B:00 00	4095	100,00	UINT16 R/W	NO

		New BLUE value:0,0%				
This is the new BLUE value of the RGB frame light between 0 and 4095 (0x0000-0x0FFF), which is used in modes NORMAL MODE, BLINK SLOW and BLINK FAST						
FRAME LED EEPROM MODE	3x50008 4x50008 I:50007	0,0x0000 B:00 00		0:NORMAL	UINT16 R/W	
		Current EEPROM mode:NORMAL				
This is the mode stored in the EEPROM for the RGB frame lights. This mode will be activated after a system reboot or power on of the module. Also a write on this register activates this mode instead of the mode in FRAME LED MODE register: =0:NORMAL MODE:Normal mode. In this mode you can write new RGB values to the register RED,GREEN and BLUE and the RGB light will light in this color =1:ALWAYS OFF: In this mode the RGB frame lights are always off, ignoring the current values in RED, GREEN and BLUE =2:BLINK SLOW:In this mode you can write new RGB values to the register RED, GREEN and BLUE and the RGB light will flash slow (approx. 1second) in this color =3:BLINK FAST:In this mode you can write new RGB values to the register RED, GREEN and BLUE and the RGB light will flash fast (approx. 100ms) in this color =4:EEPROM MODE:After restart of the module, the settings from EEPROM RED, EEPROM GREEN and EEPROM BLUE aure used for the RGB frame lights =5:EEPROM MODE+BLINK SLOW:In this mode the RGB values from the registers EEPROM RED, EEPROM GREEN and EEPROM BLUE are used to flash the RGB lights slow (approx. 1second) =6:EEPROM MODE+BLINK FAST:In this mode the RGB values from the registers EEPROM RED, EEPROM GREEN and EEPROM BLUE are used to flash the RGB lights fast (approx. 100ms) =7:RAINBOW EFFECT: In this mode the RGB lights show a rainbow effect over time =8:CO2 SENSOR:Show the status of the CO2 sensor =9:VOC SENSOR:Show the status of the VOC sensor =10: TRIGGER WITH KEY: Every keypress triggers the frame leds for 1 second						
FRAME LED EEPROM RED	3x50009 4x50009 I:50008	4095,0x0FFF B:0F FF	0	0,00	UINT16 R/W	NO
		New EEPROM RED value:100,0%				
This is the RED value of the RGB frame light between 0 and 4095 (0x0000-0x0FFF), which is used in mode EEPROM MODE, EEPROM MODE+BLINK SLOW and EEPROM MODE+BLINK FAST A write to this register always activates the mode stored in register EEPROM_MODE, ignoring the mode stored in register MODE						
FRAME LED EEPROM GREEN	3x50010 4x50010 I:50009	4095,0x0FFF B:0F FF	409	10,00	UINT16 R/W	NO
		New EEPROM GREEN value:100,0%				
This is the GREEN value of the RGB frame light between 0 and 4095 (0x0000-0x0FFF), which is used in mode EEPROM MODE, EEPROM MODE+BLINK SLOW and EEPROM MODE+BLINK FAST A write to this register always activates the mode stored in register EEPROM_MODE, ignoring the mode stored in register MODE						
FRAME LED EEPROM BLUE	3x50011 4x50011 I:50010	4095,0x0FFF B:0F FF	0	0,00	UINT16 R/W	NO
		New EEPROM BLUE value:100,0%				
This is the BLUE value of the RGB frame light between 0 and 4095 (0x0000-0x0FFF), which is used in mode EEPROM MODE, EEPROM MODE+BLINK SLOW and EEPROM MODE+BLINK FAST A write to this register always activates the mode stored in register EEPROM_MODE, ignoring the mode stored in register MODE						
OPTION:BUZZER						
BUZZER MODE	3x50101 4x50101 I:50100	2,0x0002 B:00 02		2:BUZZER ON	UINT16 R/W	YES
		Current BUZZER mode:ON				

This is the current mode for the integrated buzzer:
=0: BUZZER IS IDLE
=1:BUZZER IS OFF:Buzzer is silent
=2:BUZZER IS ON:Buzzer is on
=3:BUZZER PULSE: BUZZER is pulsed with ON time TIME1 and OFF time TIME2. The pulses are repeated for REPEATS times.
=99:ABORT: Actual BUZZER action will be aborted

BUZZER FREQUENCY	3x50102 4x50102 I:50101	4000,0x0FA0 B:0F A0		4000	UINT16 R/W	NO
		Current BUZZER frequency:4,000kHz				
This is the current frequency for the integrated buzzer in the range of 50 to 10000Hz. All other values are interpreted as 10000Hz.						
BUZZER TIME1	3x50103 4x50103 I:50102	100,0x0064 B:00 64		4000	UINT16 R/W	NO
		Current BUZZER TIME1:1,00s				
This is the current time 1 for the integrated buzzer in the mode PULSE.						
BUZZER TIME2	3x50104 4x50104 I:50103	100,0x0064 B:00 64		4000	UINT16 R/W	NO
		Current BUZZER TIME2:1,00s				
This is the current time 2 for the integrated buzzer in the mode PULSE.						
BUZZER REPEATS	3x50105 4x50105 I:50104	5,0x0005 B:00 05		4000	UINT16 R/W	NO
		Current BUZZER repeats:5 repeats				
This is the current frequency for the integrated buzzer in the range of 50 to 10000Hz. All other values are interpreted as 10000Hz.						
BUZZER TIMER	3x50106 4x50106 I:50105	0,0x0000 B:00 00			UINT16 R/O	
		Current BUZZER time left:0,00s				
This is the remaining time for the integrated buzzer.						
BUZZER REPEATED	3x50107 4x50107 I:50106	0,0x0000 B:00 00			UINT16 R/O	
		Current BUZZER repeats left:0				
This are the remaining repeats for the integrated buzzer.						
BUZZER STATE	3x50108 4x50108 I:50107	1,0x0001 B:00 01			UINT16 R/O	
		BUZZER is currently:ON				
This is the current state for the integrated buzzer: =0:BUZZER IS OFF:Buzzer is silent =1BUZZER IS ON:Buzzer is on						

SET FRAME LEDS MODE	**ASCII WRITE COMMAND**	#SET FRAME LEDS MODE:<MODE><CR> #SFLEDSMODE:<MODE><CR> Result: #OK<CR>	ASCII	NO
	MODE	10:TRIGGER WITH KEY		
	TX	#SET FRAME LEDS MODE:10<CR>		
	RX	N/A		
This is the current mode for the RGB frame lights: =0:NORMAL MODE:Normal mode. In this mode you can write new RGB values to the register RED,GREEN and BLUE and the RGB light will light in this color =1:ALWAYS OFF: In this mode the RGB frame lights are always off, ignoring the current values in RED, GREEN and BLUE =2:BLINK SLOW:In this mode you can write new RGB values to the register RED, GREEN and BLUE and the RGB light will flash slow (approx. 1second) in this color =3:BLINK FAST:In this mode you can write new RGB values to the register RED, GREEN and BLUE and the RGB light will flash fast (approx. 100ms) in this color =4:EEPROM MODE:After restart of the module, the settings from EEPROM RED, EEPROM GREEN and EEPROM BLUE aure used for the RGB frame lights =5:EEPROM MODE+BLINK SLOW:In this mode the RGB values from the registers EEPROM RED, EEPROM GREEN and EEPROM BLUE are used to flash the RGB lights slow (approx. 1second) =6:EEPROM MODE+BLINK FAST:In this mode the RGB values from the registers EEPROM RED, EEPROM GREEN and EEPROM BLUE are used to flash the RGB lights fast (approx. 100ms) =7:RAINBOW EFFECT: In this mode the RGB lights show a rainbow effect over time =8:CO2 SENSOR:Show the status of the CO2 sensor =9:VOC SENSOR:Show the status of VOC sensor =10: TRIGGER WITH KEY: Every keypress triggers the frame leds for 1 second				
SET FRAME LEDS EEPROM MODE	**ASCII WRITE COMMAND**	#SET FRAME LEDS EEPROM MODE:<EEPROMMODE><CR> #SFLEDSEEPROMMODE:<EEPROMMODE><CR> Result: #OK<CR>	ASCII	NO
	EEPROMMODE	0:NORMAL		
	TX	#SET FRAME LEDS EEPROM MODE:0<CR>		
	RX	N/A		
This is the current mode for the RGB frame lights stored in the EEPROM: =0:NORMAL MODE:Normal mode. In this mode you can write new RGB values to the register RED,GREEN and BLUE and the RGB light will light in this color =1:ALWAYS OFF: In this mode the RGB frame lights are always off, ignoring the current values in RED, GREEN and BLUE =2:BLINK SLOW:In this mode you can write new RGB values to the register RED, GREEN and BLUE and the RGB light will flash slow (approx. 1second) in this color =3:BLINK FAST:In this mode you can write new RGB values to the register RED, GREEN and BLUE and the RGB light will flash fast (approx. 100ms) in this color =4:EEPROM MODE:After restart of the module, the settings from EEPROM RED, EEPROM GREEN and EEPROM BLUE aure used for the RGB frame lights =5:EEPROM MODE+BLINK SLOW:In this mode the RGB values from the registers EEPROM RED, EEPROM GREEN and EEPROM BLUE are used to flash the RGB lights slow (approx. 1second) =6:EEPROM MODE+BLINK FAST:In this mode the RGB values from the registers EEPROM RED, EEPROM GREEN and EEPROM BLUE are used to flash the RGB lights fast (approx. 100ms) =7:RAINBOW EFFECT: In this mode the RGB lights show a rainbow effect over time =8:CO2 SENSOR:Show the status of the CO2 sensor =9:VOC SENSOR:Show the status of VOC sensor =10: TRIGGER WITH KEY: Every keypress triggers the frame leds for 1 second				
GET FRAME LEDS MODES	**ASCII READ COMMAND**	#GET FRAME LEDS MODES<CR> #GFLEDSMODES<CR> Result: #GFLEDSMODE:<MODEDEC>,<EEPROMMODEDEC>, <MODEHEX>,<EEPROMMODEHEX><CR>	ASCII	
	TX	#GET FRAME LEDS MODES<CR>		
	RX	#255,GFLEDSMODES:0,0,0x0,0x0<CR>		
		Current FRAME LEDS mode:NORMAL MODE		
		Current FRAME LEDS mode in EEPROM:NORMAL MODE		

This is the current mode for the RGB frame lights and the mode stored in the EEPROM:
=0:NORMAL MODE:Normal mode. In this mode you can write new RGB values to the register RED,GREEN and BLUE and the RGB light will light in this color
=1:ALWAYS OFF: In this mode the RGB frame lights are always off, ignoring the current values in RED, GREEN and BLUE
=2:BLINK SLOW:In this mode you can write new RGB values to the register RED, GREEN and BLUE and the RGB light will flash slow (approx. 1second) in this color
=3:BLINK FAST:In this mode you can write new RGB values to the register RED, GREEN and BLUE and the RGB light will flash fast (approx. 100ms) in this color
=4:EEPROM MODE:After restart of the module, the settings from EEPROM RED, EEPROM GREEN and EEPROM BLUE aure used for the RGB frame lights
=5:EEPROM MODE+BLINK SLOW:In this mode the RGB values from the registers EEPROM RED, EEPROM GREEN and EEPROM BLUE are used to flash the RGB lights slow (approx. 1second)
=6:EEPROM MODE+BLINK FAST:In this mode the RGB values from the registers EEPROM RED, EEPROM GREEN and EEPROM BLUE are used to flash the RGB lights fast (approx. 100ms)
=7:RAINBOW EFFECT: In this mode the RGB lights show a rainbow effect over time
=8:CO2 SENSOR:Show the status of the CO2 sensor
=9:VOC SENSOR:Show the status of VOC sensor
=10: TRIGGER WITH KEY: Every keypress triggers the frame leds for 1 second

GET FRAME LEDS CURRENT RGB	**ASCII READ COMMAND**	#GET FRAME LEDS CURRENT RGB<CR> #GFLEDSCRGB<CR> Result: #GFLEDSCRGB:<REDDEC>,<GREENDEC>,<BLUEDEC>, <REDHEX>,<GREENHEX>,<BLUEHEX><CR>	ASCII	
	TX	#GET FRAME LEDS CURRENT RGB<CR>		
	RX	#255,GFLEDSCRGB:0,0,0,0x0,0x0,0x0<CR>		
		Current FRAME LEDS RED:0->0,0%		
		Current FRAME LEDS GREEN:0->0,0%		
		Current FRAME LEDS BLUE:0->0,0%		
This are the actual RED, GREEN and BLUE values of the RGB frame lights between 0 and 4095 (0x0000-0x0FFF)				
SET FRAME LEDS RGB	**ASCII WRITE COMMAND**	#SET FRAME LEDS RGB:<RED>,<GREEN>,<BLUE><CR> #SFLEDSRGB:<RED>,<GREEN>,<BLUE><CR> Result: #OK<CR>	ASCII	NO
	RED	50,00		
	GREEN	25,00		
	BLUE	20,00		
	TX	#SET FRAME LEDS RGB:2048,1024,819<CR>		
	RX	N/A		
This are the defined RED, GREEN and BLUE values of the RGB frame lights between 0 and 4095 (0x0000-0x0FFF) defined by the user for the modes NORMAL, BLINK SLOW and BLINK FAST				
GET FRAME LEDS RGB	**ASCII READ COMMAND**	#GET FRAME LEDS RGB<CR> #GFLEDSRGB<CR> Result: #GFLEDSRGB:<REDDEC>,<GREENDEC>,<BLUEDEC>, <REDHEX>,<GREENHEX>,<BLUEHEX><CR>	ASCII	
	TX	#GET FRAME LEDS RGB<CR>		
	RX	#255,GFLEDSRGB:0,0,0,0x0,0x0,0x0<CR>		
		Defined FRAME LEDS RED:0->0,0%		
		Defined FRAME LEDS GREEN:0->0,0%		
		Defined FRAME LEDS BLUE:0->0,0%		
This are the defined RED, GREEN and BLUE values of the RGB frame lights between 0 and 4095 (0x0000-0x0FFF) defined by the user for the modes NORMAL, BLINK SLOW and BLINK FAST				

SET FRAME LEDS EEPROM RGB	**ASCII WRITE COMMAND**	#SET FRAME LEDS EEPROM RGB:<EEPROMRED>,<EEPROMGREEN>,<EEPROMBLUE><CR> #SFLEDSEEPROMRGB:<EEPROMRED>,<EEPROMGREEN>,<EEPROMBLUE><CR> Result: #OK<CR>	ASCII	NO
	EEPROMRED	100,00		
	EEPROMGREEN	0,00		
	EEPROMBLUE	0,00		
	TX	#SET FRAME LEDS EEPROM RGB:4095,0,0<CR>		
	RX	N/A		
This are the defined RED, GREEN and BLUE values of the RGB frame lights between 0 and 4095 (0x0000-0x0FFF) defined by the user and stored in the EEPROM for the modes EEPROM NORMAL, EEPROM BLINK SLOW and EEPROM BLINK FAST				
GET FRAME LEDS EEPROM RGB	**ASCII READ COMMAND**	#GET FRAME LEDS EEPROM RGB<CR> #GFLEDSEEPROMRGB<CR> Result: #GFLEDSEEPROMRGB:<REDDEC>,<GREENDEC>,<BLUEDEC>, <REDHEX>,<GREENHEX>,<BLUEHEX><CR>	ASCII	
	TX	#GET FRAME LEDS EEPROM RGB<CR>		
	RX	#255,GFLEDSEEPROMRGB:4095,4095,4095,0xFFF,0xFFF,0xFFF<CR>		
		Defined EEPROM FRAME LEDS RED:4095->100,0%		
		Defined EEPROM FRAME LEDS GREEN:4095->100,0%		
		Defined EEPROM FRAME LEDS BLUE:4095->100,0%		
This are the defined RED, GREEN and BLUE values of the RGB frame lights between 0 and 4095 (0x0000-0x0FFF) defined by the user and stored in the EEPROM for the modes EEPROM NORMAL, EEPROM BLINK SLOW and EEPROM BLINK FAST				
SET BUZZER MODE	**ASCII WRITE COMMAND**	#SET BUZZER MODE:<MODE><CR> #SBUZZERMODE:<MODE><CR> Result: #OK<CR>	ASCII	NO
	MODE	1:OFF		
	TX	#SET BUZZER MODE:1<CR>		
	RX	N/A		
This is the current mode for the integrated buzzer: =0: BUZZER IS IDLE =1:BUZZER IS OFF:Buzzer is silent =2:BUZZER IS ON:Buzzer is on =3:BUZZER PULSE: BUZZER is pulsed with ON time TIME1 and OFF time TIME2. The pulses are repeated for REPEATS times. =99:ABORT: Actual BUZZER action will be aborted				
GET BUZZER MODE	**ASCII READ COMMAND**	#GET BUZZER MODE<CR> #GBUZZERMODE<CR> Result: #GBUZZERMODE:<MODEDEC>,<MODEHEX><CR>	ASCII	
	TX	#GET BUZZER MODE<CR>		
	RX	#255,GBUZZERMODE:0,0x0<CR>		
		Current BUZZER mode:NONE		
This is the current mode for the inetgrated buzzer: =0:BUZZER IS OFF:Buzzer is silent =1BUZZER IS ON:Buzzer is on				

SET BUZZER FREQUENCY	**ASCII WRITE COMMAND**	#SET BUZZER FREQUENCY:<FREQUENCY><CR> #SBUZZERFREQ:<FREQUENCY><CR> Result: #OK<CR>	ASCII	NO
	FREQUENCY	5000		
	TX	#SET BUZZER FREQUENCY:5000<CR>		
	RX	N/A		
This is the current frequency for the integrated buzzer in the range of 50 to 10000Hz. All other values are interpreted as 10000Hz.				
GET BUZZER FREQUENCY	**ASCII READ COMMAND**	#GET BUZZER FREQUENCY<CR> #GBUZZERFREQ<CR> Result: #GBUZZERFREQ:<FREQDec>,<FREQHex><CR>	ASCII	
	TX	#GET BUZZER FREQUENCY<CR>		
	RX	#255,GBUZZERFREQ:4000,0xFA0<CR>		
		Current BUZZER frequency:4,000kHz		
This is the current frequency for the integrated buzzer in the range of 50 to 10000Hz. All other values are interpreted as 10000Hz.				
SET BUZZER TIME1	**ASCII WRITE COMMAND**	#SET BUZZER TIME1:<TIME1><CR> #SBUZZERT1:<TIME1><CR> Result: #OK<CR>	ASCII	NO
	TIME1	5000		
	TX	#SET BUZZER TIME1:5000<CR>		
	RX	N/A		
This is the current time 1 for the integrated buzzer in the mode PULSE.				
GET BUZZER TIME1	**ASCII READ COMMAND**	#GET BUZZER TIME1<CR> #GBUZZERT1<CR> Result: #GBUZZERT1:<TIME1Dec>,<TIME1Hex><CR>	ASCII	
	TX	#GET BUZZER TIME1<CR>		
	RX	#255,GBUZZERT1:100,0x64<CR>		
		Current BUZZER time 1:1,00s		
This is the current time 1 for the integrated buzzer in the mode PULSE.				
SET BUZZER TIME2	**ASCII WRITE COMMAND**	#SET BUZZER TIME2:<TIME2><CR> #SBUZZERT2:<TIME2><CR> Result: #OK<CR>	ASCII	NO
	TIME2	5000		
	TX	#SET BUZZER TIME2:5000<CR>		
	RX	N/A		
This is the current time 2 for the integrated buzzer in the mode PULSE.				
GET BUZZER TIME2	**ASCII READ COMMAND**	#GET BUZZER TIME2<CR> #GBUZZERT2<CR> Result: #GBUZZERT2:<TIME2Dec>,<TIME2Hex><CR>	ASCII	
	TX	#GET BUZZER TIME2<CR>		
	RX	#255,GBUZZERT2:100,0x64<CR>		

		Current BUZZER time 2:1,00s		
This is the current time 2 for the integrated buzzer in the mode PULSE.				
SET BUZZER REPEATS	**ASCII WRITE COMMAND**	#SET BUZZER REPEATS:<REPEATS><CR> #SBUZZERRPTS:<REPEATS><CR> Result: #OK<CR>	ASCII	NO
	REPEATS	5000		
	TX	#SET BUZZER REPEATS:5000<CR>		
	RX	N/A		
This is the current mode for the inetgrated buzzer: =0:BUZZER IS OFF:Buzzer is silent =1BUZZER IS ON:Buzzer is on				
GET BUZZER REPEATS	**ASCII READ COMMAND**	#GET BUZZER REPEATS<CR> #GBUZZERRPTS<CR> Result: #GBUZZERRPTS:<REPEATSDec>,<REPEATSHex><CR>	ASCII	
	TX	#GET BUZZER REPEATS<CR>		
	RX	#255,GBUZZERRPTS:5,0x5<CR>		
		Current BUZZER repeats:5		
This is the current mode for the inetgrated buzzer: =0:BUZZER IS OFF:Buzzer is silent =1BUZZER IS ON:Buzzer is on				
GET BUZZER TIMER	**ASCII READ COMMAND**	#GET BUZZER TIMER<CR> #GBUZZERTMR<CR> Result: #GBUZZERTMR:<TIMERDec>,<TIMERHex><CR>	ASCII	
	TX	#GET BUZZER TIMER<CR>		
	RX	#255,GBUZZERTMR:0,0x0<CR>		
		Current BUZZER timer:0,00s		
This is the remaining time for the integrated buzzer.				
GET BUZZER REPEATED	**ASCII READ COMMAND**	#GET BUZZER REPEATED<CR> #GBUZZERRPTD<CR> Result: #GBUZZERRPTD:<REPEATEDDec>,<REPEATEDHex><CR>	ASCII	
	TX	#GET BUZZER REPEATED<CR>		
	RX	#255,GBUZZERRPTD:0,0x0<CR>		
		Current BUZZER repeated pulses:0		
This are the remaining repeats for the integrated buzzer.				
GET BUZZER STATE	**ASCII READ COMMAND**	#GET BUZZER STATE<CR> #GBUZZERSTATE<CR> Result: #GBUZZERSTATE:<STATEDec>,<STATEHex><CR>	ASCII	
	TX	#GET BUZZER STATE<CR>		
	RX	#255,GBUZZERSTATE:0,0x0<CR>		
		Current BUZZER state:OFF		
This is the current state for the integrated buzzer: =0:BUZZER IS OFF:Buzzer is silent =1BUZZER IS ON:Buzzer is on				

HW_GROUP	3x00001 4x00001 I:0	32768,0x8000 B:80 00			UINT16 R/O	
This is the group of hardware of the current product						
SW_GROUP	3x00002 4x00002 I:1	258,0x0102 B:01 02			UINT16 R/O	
This is the group of software of the current product						
SW_VERSION	3x00003 4x00003 I:2	4096,0x1000 B:10 00			UINT16 R/O	
		SW VERSION:1.0.0				
This is the current software version of the firmware						
SW_AUTHOR	3x00004 4x00004 I:3	18771,0x4953 B:49 53			UINT16 R/O	
This is the current software author of the firmware						
SERIAL1	3x00005 4x00005 I:4	13877,0x3635 B:36 35			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL2	3x00006 4x00006 I:5	3655,0x0E47 B:0E 47			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL3	3x00007 4x00007 I:6	13360,0x3430 B:34 30			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL4	3x00008 4x00008 I:7	12599,0x3137 B:31 37			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL5	3x00009 4x00009 I:8	26112,0x6600 B:66 00			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL6	3x00010 4x00010 I:9	25695,0x645F B:64 5F			UINT16 R/O	
		SERIAL:3536470E3034373100665F64				
Serial number of module as 96 bit unsigned integer number						
TEMPERATURE UINT	3x00011 4x00011 I:10	0,0x0000 B:00 00		0:°CELSIUS	UINT16 R/W	NO

		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
KEYS&LEDS						
STATUS KEY1-KEY6	3x00012 4x00012 I:11	0,0x0000 B:00 00			UINT16 R/O	
		Current state of KEY1:0=RELEASED				
		Current state of KEY2:0=RELEASED				
		Current state of KEY3:0=RELEASED				
		Current state of KEY4:0=RELEASED				
		Current state of KEY5:0=RELEASED				
		Current state of KEY6:0=RELEASED				
Current state of all keys Bit 0: =0:KEY1 is RELEASED, =1:KEY1 is PRESSED Bit 1: =0:KEY2 is RELEASED, =1:KEY2 is PRESSED Bit 2: =0:KEY3 is RELEASED, =1:KEY3 is PRESSED Bit 3: =0:KEY4 is RELEASED, =1:KEY4 is PRESSED Bit 4: =0:KEY5 is RELEASED, =1:KEY5 is PRESSED Bit 5: =0:KEY6 is RELEASED, =1:KEY6 is PRESSED Bits 6-15: always 0						
STATUS LED1-LED6	3x00013 4x00013 I:12	63,0x003F B:00 3F			UINT16 R/O	
		Current state of LED1:1=ON				
		Current state of LED2:1=ON				
		Current state of LED3:1=ON				
		Current state of LED4:1=ON				
		Current state of LED5:1=ON				
		Current state of LED6:1=ON				
Current state of all LEDs in the keys Bit 0: =0:LED1 is OFF, =1:LED1 is ON Bit 1: =0:LED2 is OFF, =1:LED2 is ON Bit 2: =0:LED3 is OFF, =1:LED3 is ON Bit 3: =0:LED4 is OFF, =1:LED4 is ON Bit 4: =0:LED5 is OFF, =1:LED5 is ON Bit 5: =0:LED6 is OFF, =1:LED6 is ON Bits 6-15: always 0						
HAS KEY CHANGED	3x00014 4x00014 I:13	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

As soon as the module registrates an event on one of the available keys, this global event counter is incremented by 1. Possible events are: Detection of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
LEDS						
STATE LED1	3x00015 4x00015 I:14	1,0x0001 B:00 01		101:ALL LEDS-ON	UINT16 R/W	YES
		Current state of LED1:1=ON				
Current state of LED within the key 0: OFF: LED is OFF 1: ON: LED is ON 2: BLINK FAST: LED will blink in 100ms rhythm 3: BLINK SLOW: LED will blink in 1s rhythm 4: TRIGGER WITH KEY: If a key event is detected (sort or long key events) the corresponding LED will flash for one time. The flash time can be configured with TIME1 LEDx in 10ms units. 5: BLINK SYMMETRICALLY: LED will blink in the rhythm defined by TIME1 LEDx in 10ms units. 6: BLINK ASYMMETRICALLY: LED will FLASH in the rhythm defined by TIME1 LEDx and TIME2 LEDx in 10ms units. TIME1 LEDx defines the ON time and TIME2 LEDx defines the OFF time. 100-106: Sets the mode 0 to 6 for ALL LEDs at the same time.						
STATE LED2	3x00016 4x00016 I:15	1,0x0001 B:00 01		4:TRIGGER WITH KEY	UINT16 R/W	NO
		Current state of LED2:1=ON				
Current state of LED within the key 0: OFF: LED is OFF 1: ON: LED is ON 2: BLINK FAST: LED will blink in 100ms rhythm 3: BLINK SLOW: LED will blink in 1s rhythm 4: TRIGGER WITH KEY: If a key event is detected (sort or long key events) the corresponding LED will flash for one time. The flash time can be configured with TIME1 LEDx in 10ms units. 5: BLINK SYMMETRICALLY: LED will blink in the rhythm defined by TIME1 LEDx in 10ms units. 6: BLINK ASYMMETRICALLY: LED will FLASH in the rhythm defined by TIME1 LEDx and TIME2 LEDx in 10ms units. TIME1 LEDx defines the ON time and TIME2 LEDx defines the OFF time. 100-106: Sets the mode 0 to 6 for ALL LEDs at the same time.						
STATE LED3	3x00017 4x00017 I:16	1,0x0001 B:00 01		4:TRIGGER WITH KEY	UINT16 R/W	NO
		Current state of LED3:1=ON				

Current state of LED within the key 0: OFF: LED is OFF 1: ON: LED is ON 2: BLINK FAST: LED will blink in 100ms rhythm 3: BLINK SLOW: LED will blink in 1s rhythm 4: TRIGGER WITH KEY: If a key event is detected (sort or long key events) the corresponding LED will flash for one time. The flash time can be configured with TIME1 LEDx in 10ms units. 5: BLINK SYMMETRICALLY: LED will blink in the rhythm defined by TIME1 LEDx in 10ms units. 6: BLINK ASYMMETRICALLY: LED will FLASH in the rhythm defined by TIME1 LEDx and TIME2 LEDx in 10ms units. TIME1 LEDx defines the ON time and TIME2 LEDx defines the OFF time. 100-106: Sets the mode 0 to 6 for ALL LEDs at the same time.						
STATE LED4	3x00018 4x00018 I:17	1,0x0001 B:00 01		4:TRIGGER WITH KEY	UINT16 R/W	NO
		Current state of LED4:1=ON				
Current state of LED within the key 0: OFF: LED is OFF 1: ON: LED is ON 2: BLINK FAST: LED will blink in 100ms rhythm 3: BLINK SLOW: LED will blink in 1s rhythm 4: TRIGGER WITH KEY: If a key event is detected (sort or long key events) the corresponding LED will flash for one time. The flash time can be configured with TIME1 LEDx in 10ms units. 5: BLINK SYMMETRICALLY: LED will blink in the rhythm defined by TIME1 LEDx in 10ms units. 6: BLINK ASYMMETRICALLY: LED will FLASH in the rhythm defined by TIME1 LEDx and TIME2 LEDx in 10ms units. TIME1 LEDx defines the ON time and TIME2 LEDx defines the OFF time. 100-106: Sets the mode 0 to 6 for ALL LEDs at the same time.						
STATE LED5	3x00019 4x00019 I:18	1,0x0001 B:00 01		4:TRIGGER WITH KEY	UINT16 R/W	NO
		Current state of LED5:1=ON				
Current state of LED within the key 0: OFF: LED is OFF 1: ON: LED is ON 2: BLINK FAST: LED will blink in 100ms rhythm 3: BLINK SLOW: LED will blink in 1s rhythm 4: TRIGGER WITH KEY: If a key event is detected (sort or long key events) the corresponding LED will flash for one time. The flash time can be configured with TIME1 LEDx in 10ms units. 5: BLINK SYMMETRICALLY: LED will blink in the rhythm defined by TIME1 LEDx in 10ms units. 6: BLINK ASYMMETRICALLY: LED will FLASH in the rhythm defined by TIME1 LEDx and TIME2 LEDx in 10ms units. TIME1 LEDx defines the ON time and TIME2 LEDx defines the OFF time. 100-106: Sets the mode 0 to 6 for ALL LEDs at the same time.						
STATE LED6	3x00020 4x00020 I:19	1,0x0001 B:00 01		4:TRIGGER WITH KEY	UINT16 R/W	NO
		Current state of LED6:1=ON				

Current state of LED within the key
0: OFF: LED is OFF
1: ON: LED is ON
2: BLINK FAST: LED will blink in 100ms rhythm
3: BLINK SLOW: LED will blink in 1s rhythm
4: TRIGGER WITH KEY: If a key event is detected (sort or long key events) the corresponding LED will flash for one time. The flash time can be configured with TIME1 LEDx in 10ms units.
5: BLINK SYMMETRICALLY: LED will blink in the rhythm defined by TIME1 LEDx in 10ms units.
6: BLINK ASYMMETRICALLY: LED will FLASH in the rhythm defined by TIME1 LEDx and TIME2 LEDx in 10ms units. TIME1 LEDx defines the ON time and TIME2 LEDx defines the OFF time.

100-106: Sets the mode 0 to 6 for ALL LEDs at the same time.

KEYS

CHANGE KEY1	3x00021 4x00021 I:20	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

Counter for events on the KEYx. If the module detects an event on the key, this counter is incremented by 1.
After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.
The following events are available:
Detecion of a short keypress
Detection of the start of a long keypress
Detection of the end of a long keypress

CHANGE KEY2	3x00022 4x00022 I:21	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

Counter for events on the KEYx. If the module detects an event on the key, this counter is incremented by 1.
After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.
The following events are available:
Detecion of a short keypress
Detection of the start of a long keypress
Detection of the end of a long keypress

CHANGE KEY3	3x00023 4x00023 I:22	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

Counter for events on the KEYx. If the module detects an event on the key, this counter is incremented by 1.
After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.
The following events are available:
Detecion of a short keypress
Detection of the start of a long keypress
Detection of the end of a long keypress

CHANGE KEY4	3x00024 4x00024 I:23	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

Counter for events on the KEYx. If the module detects an event on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
CHANGE KEY5	3x00025 4x00025 I:24	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the KEYx. If the module detects an event on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
CHANGE KEY6	3x00026 4x00026 I:25	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for events on the KEYx. If the module detects an event on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0. The following events are available: Detecion of a short keypress Detection of the start of a long keypress Detection of the end of a long keypress						
RISE KEY1	3x00027 4x00027 I:26	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the KEYx. If the module detects a rising edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISE KEY2	3x00028 4x00028 I:27	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the KEYx. If the module detects a rising edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISE KEY3	3x00029 4x00029 I:28	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

Counter for rising edges on the KEYx. If the module detects a rising edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISE KEY4	3x00030 4x00030 I:29	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the KEYx. If the module detects a rising edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISE KEY5	3x00031 4x00031 I:30	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the KEYx. If the module detects a rising edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RISE KEY6	3x00032 4x00032 I:31	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for rising edges on the KEYx. If the module detects a rising edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL KEY1	3x00033 4x00033 I:32	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the KEYx. If the module detects a falling edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL KEY2	3x00034 4x00034 I:33	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the KEYx. If the module detects a falling edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL KEY3	3x00035 4x00035 I:34	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

Counter for falling edges on the KEYx. If the module detects a falling edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL KEY4	3x00036 4x00036 I:35	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the KEYx. If the module detects a falling edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL KEY5	3x00037 4x00037 I:36	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the KEYx. If the module detects a falling edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
FALL KEY6	3x00038 4x00038 I:37	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for falling edges on the KEYx. If the module detects a falling edge on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
SHORT KEYPRESS KEY1	3x00039 4x00039 I:38	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the KEYx. If the module detects a short keypress on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
SHORT KEYPRESS KEY2	3x00040 4x00040 I:39	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the KEYx. If the module detects a short keypress on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
SHORT KEYPRESS KEY3	3x00041 4x00041 I:40	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

Counter for short keypress events on the KEYx. If the module detects a short keypress on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
SHORT KEYPRESS KEY4	3x00042 4x00042 I:41	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the KEYx. If the module detects a short keypress on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
SHORT KEYPRESS KEY5	3x00043 4x00043 I:42	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the KEYx. If the module detects a short keypress on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
SHORT KEYPRESS KEY6	3x00044 4x00044 I:43	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for short keypress events on the KEYx. If the module detects a short keypress on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START KEY1	3x00045 4x00045 I:44	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the KEYx. If the module detects the start of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START KEY2	3x00046 4x00046 I:45	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the KEYx. If the module detects the start of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START KEY3	3x00047 4x00047 I:46	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

Counter for start events of long keypress actions on the KEYx. If the module detects the start of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START KEY4	3x00048 4x00048 I:47	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the KEYx. If the module detects the start of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START KEY5	3x00049 4x00049 I:48	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the KEYx. If the module detects the start of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS START KEY6	3x00050 4x00050 I:49	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for start events of long keypress actions on the KEYx. If the module detects the start of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END KEY1	3x00051 4x00051 I:50	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the KEYx. If the module detects the end of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END KEY2	3x00052 4x00052 I:51	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the KEYx. If the module detects the end of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END KEY3	3x00053 4x00053 I:52	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				

Counter for end events of long keypress actions on the KEYx. If the module detects the end of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END KEY4	3x00054 4x00054 I:53	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the KEYx. If the module detects the end of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END KEY5	3x00055 4x00055 I:54	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the KEYx. If the module detects the end of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
LONG KEYPRESS END KEY6	3x00056 4x00056 I:55	0,0x0000 B:00 00			UINT16 R/O	
		0 event(s)				
Counter for end events of long keypress actions on the KEYx. If the module detects the end of a long keypress action on the key, this counter is incremented by 1. After power on or a soft reset this counter is set always to 0. With the function RESET COUNTER this counter is also set to 0.						
RESET COUNTERS	3x00057 4x00057 I:56	0,0x0000 B:00 00		1:PERFORM RESET	UINT16 R/W	NO
If this register is written to 1, all internal edge counters and event counters are set to 0. 0 is always returned when reading.						
LED TIME1						
TIME1 LED1	3x00058 4x00058 I:57	100,0x0064 B:00 64		100	UINT16 R/W	NO
		Current TIME1 of LED1:1000ms ->1s				
Current TIME1 of LED within the key. The time unit is 10ms. This time is used for the LED modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY						
TIME1 LED2	3x00059 4x00059 I:58	100,0x0064 B:00 64		100	UINT16 R/W	NO
		Current TIME1 of LED2:1000ms ->1s				
Current TIME1 of LED within the key. The time unit is 10ms. This time is used for the LED modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY						

TIME1 LED3	3x00060 4x00060 I:59	100,0x0064 B:00 64		100	UINT16 R/W	NO
		Current TIME1 of LED3:1000ms ->1s				
Current TIME1 of LED within the key. The time unit is 10ms. This time is used for the LED modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY						
TIME1 LED4	3x00061 4x00061 I:60	100,0x0064 B:00 64		100	UINT16 R/W	NO
		Current TIME1 of LED4:1000ms ->1s				
Current TIME1 of LED within the key. The time unit is 10ms. This time is used for the LED modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY						
TIME1 LED5	3x00062 4x00062 I:61	100,0x0064 B:00 64		100	UINT16 R/W	NO
		Current TIME1 of LED5:1000ms ->1s				
Current TIME1 of LED within the key. The time unit is 10ms. This time is used for the LED modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY						
TIME1 LED6	3x00063 4x00063 I:62	100,0x0064 B:00 64		100	UINT16 R/W	NO
		Current TIME1 of LED6:1000ms ->1s				
Current TIME1 of LED within the key. The time unit is 10ms. This time is used for the LED modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY						
LED TIME2						
TIME2 LED1	3x00064 4x00064 I:63	1000,0x03E8 B:03 E8		1000	UINT16 R/W	NO
		Current TIME2 of LED1:10000ms ->10s				
Current TIME2 of LED within the key. The time unit is 10ms. This time is used for the LED mode BLINK ASYMMETRICALLY						
TIME2 LED2	3x00065 4x00065 I:64	1000,0x03E8 B:03 E8		1000	UINT16 R/W	NO
		Current TIME2 of LED2:10000ms ->10s				
Current TIME2 of LED within the key. The time unit is 10ms. This time is used for the LED mode BLINK ASYMMETRICALLY						
TIME2 LED3	3x00066 4x00066 I:65	1000,0x03E8 B:03 E8		1000	UINT16 R/W	NO
		Current TIME2 of LED3:10000ms ->10s				

Current TIME2 of LED within the key. The time unit is 10ms. This time is used for the LED mode BLINK ASYMMETRICALLY						
TIME2 LED4	3x00067 4x00067 I:66	1000,0x03E8 B:03 E8		1000	UINT16 R/W	NO
		Current TIME2 of LED4:10000ms ->10s				
Current TIME2 of LED within the key. The time unit is 10ms. This time is used for the LED mode BLINK ASYMMETRICALLY						
TIME2 LED5	3x00068 4x00068 I:67	1000,0x03E8 B:03 E8		1000	UINT16 R/W	NO
		Current TIME2 of LED5:10000ms ->10s				
Current TIME2 of LED within the key. The time unit is 10ms. This time is used for the LED mode BLINK ASYMMETRICALLY						
TIME2 LED6	3x00069 4x00069 I:68	1000,0x03E8 B:03 E8		1000	UINT16 R/W	NO
		Current TIME2 of LED6:10000ms ->10s				
Current TIME2 of LED within the key. The time unit is 10ms. This time is used for the LED mode BLINK ASYMMETRICALLY						
LED TIME2						
TIMER LED1	3x00070 4x00070 I:69	0,0x0000 B:00 00			UINT16 R/O	
		Current TIMER of LED1:0ms ->0s				
Current internal timer of LED within the key. The time unit is 10ms.						
TIMER LED2	3x00071 4x00071 I:70	0,0x0000 B:00 00			UINT16 R/O	
		Current TIMER of LED2:0ms ->0s				
Current internal timer of LED within the key. The time unit is 10ms.						
TIMER LED3	3x00072 4x00072 I:71	0,0x0000 B:00 00			UINT16 R/O	
		Current TIMER of LED3:0ms ->0s				
Current internal timer of LED within the key. The time unit is 10ms.						
TIMER LED4	3x00073 4x00073 I:72	0,0x0000 B:00 00			UINT16 R/O	

		Current TIMER of LED4:0ms ->0s				
Current internal timer of LED within the key. The time unit is 10ms.						
TIMER LED5	3x00074 4x00074 I:73	0,0x0000 B:00 00			UINT16 R/O	
		Current TIMER of LED5:0ms ->0s				
Current internal timer of LED within the key. The time unit is 10ms.						
TIMER LED6	3x00075 4x00075 I:74	0,0x0000 B:00 00			UINT16 R/O	
		Current TIMER of LED6:0ms ->0s				
Current internal timer of LED within the key. The time unit is 10ms.						
CPU						
CPU TEMPERATURE	3x00076 4x00076 I:75	305,0x0131 B:01 31			UINT16 R/O	
		Current internal temperature of CPU:30,5°C				
Current internal temperature of CPU in ° Celsius multiplied by 10.						
CPU VOLTAGE	3x00077 4x00077 I:76	3326,0x0CFE B:0C FE			UINT16 R/O	
		Current supply voltage of CPU:3,326°V				
Current internal supply voltage of CPU in Volt multiplied by 1000.						

GET TEMPERATURE UNIT	**ASCII READ COMMAND**	#GET TEMPERATURE UNIT<CR> #GTEMPUNIT<CR> Result: #GTEMPUNIT:<TEMPUNIT><CR>	ASCII	
	TX	#GET TEMPERATURE UNIT<CR>		
	RX	#2,GTEMPUNIT:CELSIUS<CR>		
		Current selected temperature unit:CELSIUS	°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT				
SET TEMPERATURE UNIT	**ASCII WRITE COMMAND**	#SET TEMPERATURE UNIT:<TEMPUNIT><CR> #STEMPUNIT:<TEMPUNIT><CR> Result: #OK<CR>	ASCII	NO
	TEMPUNIT	CELSIUS		
	TX	#SET TEMPERATURE UNIT:CELSIUS<CR>		
	RX	N/A		
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT				
GET KEYS	**ASCII READ COMMAND**	#GET KEYS<CR> #GKEYS<CR> Result: #GKEYS:<KEYSDec>,<KEYSHex><CR>	ASCII	
	TX	#GET KEYS<CR>		
	RX	#2,GKEYS:0,0x0<CR>		
		Current status of all keys:0000.0000.0000.0000		
Returns the current state of all keys as decimal number and as hexadecimal number. KEYSDec, KEYSHex The current state of all keys: Bit 0: State of KEY1 (=0:RELEASED, =1:PRESSED) Bit 1: State of KEY2 (=0:RELEASED, =1:PRESSED) Bit 2: State of KEY3 (=0:RELEASED, =1:PRESSED) Bit 3: State of KEY4 (=0:RELEASED, =1:PRESSED) Bit 4: State of KEY5 (=0:RELEASED, =1:PRESSED) Bit 5: State of KEY6 (=0:RELEASED, =1:PRESSED) Bits 6-15: always 0				
GET KEYx	**ASCII READ COMMAND**	#GET KEY<KEYNR><CR> #GKEY<KEYNR><CR> Result: #GKEY<KEYNR>:<KEYxDec>,<KEYxHex><CR>	ASCII	
	KEYNR	1		
	TX	#GET KEY1<CR>		

	RX	#2,GKEY1:0,0x0<CR>		
		Current status of KEY1:0=RELEASED		
Returns the current state of the key KEYx as decimal number and as hexadecimal number. X stands for the desired key between 1 and 6. KEYxDec, KEYxHex: The current state of the key x: =0: Key is RELEASED =1: Key is PRESSED				
SET STATE LEDS	**ASCII WRITE COMMAND**	#SET STATE LEDS:<LED1STATE>,<LED2STATE>,<LED3STATE>, <LED4STATE>,<LED5STATE>,<LED6STATE><CR> #SSTATLEDS:<LED1STATE>,<LED2STATE>,<LED3STATE>, <LED4STATE>,<LED5STATE>,<LED6STATE><CR> Result: #OK<CR>	ASCII	NO
	LED1STATE	1:ON		
	LED2STATE	2:BLINK FAST		
	LED3STATE	3:BLINK SLOW		
	LED4STATE	4:TRIGGER WITH KEY		
	LED5STATE	5:BLINK SYMMETRICALLY		
	LED6STATE	6:BLINK ASYMMETRICALLY		
	TX	#SET STATE LEDS:1,2,3,4,5,6<CR>		
	RX	N/A		
Sets the current state of all LEDs within the key. For every LED you can specify a new state: LEDxSTATE: 0: OFF: LED is OFF 1: ON: LED is ON 2: BLINK FAST: LED will blink in 100ms rhythm 3: BLINK SLOW: LED will blink in 1s rhythm 4: TRIGGER WITH KEY: If a key event is detected (sort or long key events) the corresponding LED will flash for one time. The flash time can be configured with TIME1 LEDx in 10ms units. 5: BLINK SYMMETRICALLY: LED will blink in the rhythm defined by TIME1 LEDx in 10ms units. 6: BLINK ASYMMETRICALLY: LED will FLASH in the rhythm defined by TIME1 LEDx and TIME2 LEDx in 10ms units. TIME1 LEDx defines the ON time and TIME2 LEDx defines the OFF time. 100-106: Sets the mode 0 to 6 for ALL LEDs at the same time.				
SET STATE LEDx	**ASCII WRITE COMMAND**	#SET STATE LED<LEDNR>:<LEDSTATE><CR> #SSTATLED<LEDNR>:<LEDSTATE><CR> Result: #OK<CR>	ASCII	NO
	LEDNR	6		
	LEDSTATE	2:BLINK FAST		
	TX	#SET STATE LED6:2<CR>		
	RX	N/A		

Sets the current state of LEDx within the key. LEDNR defines the affected LED from 1 to 6.
LEDSTATE:
0: OFF: LED is OFF
1: ON: LED is ON
2: BLINK FAST: LED will blink in 100ms rhythm
3: BLINK SLOW: LED will blink in 1s rhythm
4: TRIGGER WITH KEY: If a key event is detected (sort or long key events) the corresponding LED will flash for one time. The flash time can be configured with TIME1 LEDx in 10ms units.
5: BLINK SYMMETRICALLY: LED will blink in the rhythm defined by TIME1 LEDx in 10ms units.
6: BLINK ASYMMETRICALLY: LED will FLASH in the rhythm defined by TIME1 LEDx and TIME2 LEDx in 10ms units. TIME1 LEDx defines the ON time and TIME2 LEDx defines the OFF time.

100-106: Sets the mode 0 to 6 for ALL LEDs at the same time.

GET STATE LEDS	**ASCII READ COMMAND**	#GET STATE LEDS<CR> #GSTATLEDS<CR> Result: #GSTATLEDS:<LED1STATEDec>,<LED2STATEDec>,<LED3STATEDec>, <LED4STATEDec>,<LED5STATEDec>,<LED6STATEDec>, <LED1STATEHex>,<LED2STATEHex>,<LED3STATEHex>, <LED4STATEHex>,<LED5STATEHex>,<LED6STATEHex><CR>	ASCII	
	TX	#GET STATE LEDS<CR>		
	RX	#2,GSTATLEDS:0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current state of LED1:0=OFF		
		Current state of LED2:0=OFF		
		Current state of LED3:0=OFF		
		Current state of LED4:0=OFF		
		Current state of LED5:0=OFF		
		Current state of LED6:0=OFF		

Shows the current state of all LEDs within the keys.
LEDxSTATEDec,LEDxSTATEHex:
0: OFF: LED is OFF
1: ON: LED is ON
2: BLINK FAST: LED will blink in 100ms rhythm
3: BLINK SLOW: LED will blink in 1s rhythm
4: TRIGGER WITH KEY: If a key event is detected (sort or long key events) the corresponding LED will flash for one time. The flash time can be configured with TIME1 LEDx in 10ms units.
5: BLINK SYMMETRICALLY: LED will blink in the rhythm defined by TIME1 LEDx in 10ms units.
6: BLINK ASYMMETRICALLY: LED will FLASH in the rhythm defined by TIME1 LEDx and TIME2 LEDx in 10ms units. TIME1 LEDx defines the ON time and TIME2 LEDx defines the OFF time.

GET STATE LEDx	**ASCII READ COMMAND**	#GET STATE LED<LEDNR><CR> #GSTATLED<LEDNR><CR> Result: #GSTATLED<LEDNR>:<LEDxSTATEDec>,<LEDxSTATEHex><CR>	ASCII	
	LEDNR	6		
	TX	#GET STATE LED6<CR>		
	RX	#2,GSTATLED6:0,0x0<CR>		
		Current state of LED6:0=OFF		

Shows the current state of LEDx within the keys.
LEDxSTATEDec,LEDxSTATEHex:
0: OFF: LED is OFF
1: ON: LED is ON
2: BLINK FAST: LED will blink in 100ms rhythm
3: BLINK SLOW: LED will blink in 1s rhythm
4: TRIGGER WITH KEY: If a key event is detected (sort or long key events) the corresponding LED will flash for one time. The flash time can be configured with TIME1 LEDx in 10ms units.
5: BLINK SYMMETRICALLY: LED will blink in the rhythm defined by TIME1 LEDx in 10ms units.
6: BLINK ASYMMETRICALLY: LED will FLASH in the rhythm defined by TIME1 LEDx and TIME2 LEDx in 10ms units. TIME1 LEDx defines the ON time and TIME2 LEDx defines the OFF time.

SET TIME1 LEDS	**ASCII WRITE COMMAND**	#SET TIME1 LEDS:<LED1TIME1>,<LED2TIME1>,<LED3TIME1>, <LED4TIME1>,<LED5TIME1>,<LED6TIME1><CR> #ST1LEDS:<LED1TIME1>,<LED2TIME1>,<LED3TIME1>, <LED4TIME1>,<LED5TIME1>,<LED6TIME1><CR> Result: #OK<CR>	ASCII	NO
	LED1TIME1	100		
	LED2TIME1	200		
	LED3TIME1	300		
	LED4TIME1	400		
	LED5TIME1	500		
	LED6TIME1	600		
	TX	#SET TIME1 LEDS:100,200,300,400,500,600<CR>		
	RX	N/A		
Sets the current time TIME1 of all LEDs within the key. For every LED you can specify a new time in 10ms units for the modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY.				
SET TIME1 LEDx	**ASCII WRITE COMMAND**	#SET TIME1 LED<LEDNR>:<LEDTIME1><CR> #ST1LED<LEDNR>:<LEDTIME1><CR> Result: #OK<CR>	ASCII	NO
	LEDNR	6		
	LEDTIME1	100		
	TX	#SET TIME1 LED6:100<CR>		
	RX	N/A		
Sets the current time TIME1 of LED LEDNR within the key. You can specify a new time in 10ms units for the modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY.				
GET TIME1 LEDS	**ASCII READ COMMAND**	#GET TIME1 LEDS<CR> #GT1LEDS<CR> Result: #GT1LEDS:<LED1TIME1Dec>,<LED2TIME1Dec>,<LED3TIME1Dec>, <LED4TIME1Dec>,<LED5TIME1Dec>,<LED6TIME1Dec>, <LED1TIME1Hex>,<LED2TIME1Hex>,<LED3TIME1Hex>, <LED4TIME1Hex>,<LED5TIME1Hex>,<LED6TIME1Hex><CR>	ASCII	
	TX	#GET TIME1 LEDS<CR>		
	RX	#2,GT1LEDS:100,100,100,100,100,100,0x64,0x64,0x64,0x64,0x64,0x64<CR>		
		Current TIME1 of LED1:1000ms ->0,1s		
		Current TIME1 of LED2:1000ms ->0,1s		
		Current TIME1 of LED3:1000ms ->0,1s		
		Current TIME1 of LED4:1000ms ->0,1s		

		Current TIME1 of LED5:1000ms ->0,1s		
		Current TIME1 of LED6:1000ms ->0,1s		
Gets the current setting of time TIME1 of all LEDs within the key. For every LED you can specify a time in 10ms units for the modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY.				
GET TIME1 LEDx	**ASCII READ COMMAND**	#GET TIME1 LED<LEDNR><CR> #GT1LED<LEDNR><CR> Result: #GT1LED<LEDNR>:<LEDxTIME1Dec>,<LEDxTIME1Hex><CR>	ASCII	
	LEDNR	6		
	TX	#GET TIME1 LED6<CR>		
	RX	#2,GT1LED6:100,0x64<CR>		
		Current TIME1 of LED6:1000ms ->0,1s		
Gets the current setting of time TIME1 of LED LEDNR within the key. You can specify a time in 10ms units for the modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY.				
SET TIME2 LEDS	**ASCII WRITE COMMAND**	#SET TIME2 LEDS:<LED1TIME2>,<LED2TIME2>,<LED3TIME2>, <LED4TIME2>,<LED5TIME2>,<LED6TIME2><CR> #ST2LEDS:<LED1TIME2>,<LED2TIME2>,<LED3TIME2>, <LED4TIME2>,<LED5TIME2>,<LED6TIME2><CR> Result: #OK<CR>	ASCII	NO
	LED1TIME2	1000		
	LED2TIME2	2000		
	LED3TIME2	3000		
	LED4TIME2	4000		
	LED5TIME2	5000		
	LED6TIME2	6000		
	TX	#SET TIME2 LEDS:1000,2000,3000,4000,5000,6000<CR>		
	RX	N/A		
Sets the current time TIME2 of all LEDs within the key. For every LED you can specify a new time in 10ms units for the mode BLINK ASYMMETRICALLY.				
SET TIME2 LEDx	**ASCII WRITE COMMAND**	#SET TIME2 LED<LEDNR>:<LEDTIME2><CR> #ST2LED<LEDNR>:<LEDTIME2><CR> Result: #OK<CR>	ASCII	NO
	LEDNR	6		
	LEDTIME2	100		
	TX	#SET TIME2 LED6:100<CR>		
	RX	N/A		
Sets the current time TIME2 of LED LEDNR within the key. You can specify a new time in 10ms units for the mode BLINK ASYMMETRICALLY.				
GET TIME2 LEDS	**ASCII READ COMMAND**	#GET TIME2 LEDS<CR> #GT2LEDS<CR> Result: #GT2LEDS:<LED1TIME2Dec>,<LED2TIME2Dec>,<LED3TIME2Dec>, <LED4TIME2Dec>,<LED5TIME2Dec>,<LED6TIME2Dec>, <LED1TIME2Hex>,<LED2TIME2Hex>,<LED3TIME2Hex>, <LED4TIME2Hex>,<LED5TIME2Hex>,<LED6TIME2Hex><CR>	ASCII	
	TX	#GET TIME2 LEDS<CR>		
	RX	#2,GT2LEDS:1000,1000,1000,1000,1000,1000,0x3E8,0x3E8,0x3E8,0x3E8,0x3E8,0x3E8<CR>		

		Current TIME2 of LED1:10000ms ->1s		
		Current TIME2 of LED2:10000ms ->1s		
		Current TIME2 of LED3:10000ms ->1s		
		Current TIME2 of LED4:10000ms ->1s		
		Current TIME2 of LED5:10000ms ->1s		
		Current TIME2 of LED6:10000ms ->1s		
Gets the current setting of time TIME2 of all LEDs within the key. For every LED you can specify a time in 10ms units for the mode BLINK ASYMMETRICALLY.				
GET TIME2 LEDx	**ASCII READ COMMAND**	#GET TIME2 LED<LEDNR><CR> #GT2LED<LEDNR><CR> Result: #GT2LED<LEDNR>:<LEDxTIME2Dec>,<LEDxTIME2Hex><CR>	ASCII	
	LEDNR	6		
	TX	#GET TIME2 LED6<CR>		
	RX	#2,GT2LED6:1000,0x3E8<CR>		
		Current TIME2 of LED6:10000ms ->1s		
Gets the current setting of time TIME2 of LED LEDNR within the key. You can specify a time in 10ms units for the mode BLINK ASYMMETRICALLY.				
GET TIMER LEDS	**ASCII READ COMMAND**	#GET TIMER LEDS<CR> #GTMRLEDS<CR> Result: #GTMRLEDS:<LED1TIMERDec>,<LED2TIMERDec>,<LED3TIMERDec>, <LED4TIMERDec>,<LED5TIMERDec>,<LED6TIMERDec>, <LED1TIMERHex>,<LED2TIMERHex>,<LED3TIMERHex>, <LED4TIMERHex>,<LED5TIMERHex>,<LED6TIMERHex><CR>	ASCII	
	TX	#GET TIMER LEDS<CR>		
	RX	#2,GTMRLEDS:0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current TIMER of LED1:0ms ->0s		
		Current TIMER of LED2:0ms ->0s		
		Current TIMER of LED3:0ms ->0s		
		Current TIMER of LED4:0ms ->0s		
		Current TIMER of LED5:0ms ->0s		
		Current TIMER of LED6:0ms ->0s		
Gets the current value of the internal timer TIMER of all LEDs within the keys. Time base in 10ms units.				
GET TIMER LEDx	**ASCII READ COMMAND**	#GET TIMER LED<LEDNR><CR> #GTMRLED<LEDNR><CR> Result: #GTMRLED<LEDNR>:<LEDxTIMERDec>,<LEDxTIMERHex><CR>	ASCII	
	LEDNR	6		
	TX	#GET TIMER LED6<CR>		
	RX	#2,GTMRLED6:0,0x0<CR>		
		Current TIMER of LED6:0ms ->0s		
Gets the current value of the internal timer TIMER for LED LEDNR within the keys. Time base in 10ms units.				
GET LEDS	**ASCII READ COMMAND**	#GET LEDS<CR> #GLEDS<CR> Result: #GLEDS:<LEDSDec>,<LEDSHex><CR>	ASCII	

	TX	#GET LEDS<CR>		
	RX	#2,GLEDS:0,0x0<CR>		
		Current status of all LEDs:0000.0000.0000.0000		
Returns the current state of all LED as decimal number and as hexadecimal number. LEDSDec, LEDSHex The current state of all LEDs: Bit 0: State of LED1 (=0:OFF, =1:ON) Bit 1: State of LED2 (=0:OFF, =1:ON) Bit 2: State of LED3 (=0:OFF, =1:ON) Bit 3: State of LED4 (=0:OFF, =1:ON) Bit 4: State of LED5 (=0:OFF, =1:ON) Bit 5: State of LED6 (=0:OFF, =1:ON) Bits 6-15: always 0				
GET LEDx	**ASCII READ COMMAND**	#GET LED<LEDNR><CR> #GLED<LEDNR><CR> Result: #GLED<LEDNR>:<LEDxDec>,<LEDxHex><CR>	ASCII	
	LEDNR	4		
	TX	#GET LED4<CR>		
	RX	#2,GLED4:0,0x0<CR>		
		Current status of LED4:0=OFF		
Returns the current state of the LEDx as decimal number and as hexadecimal number. X stands for the desired LED between 1 and 6. LEDxDec, LEDxHex: The current state of the LED x: =0: LED is OFF =1: LED is ON				
GET ALL KEY CHANGES	**ASCII READ COMMAND**	#GET ALL KEY CHANGES<CR> #GAKC<CR> Result: #GAKC:<ChangesDec>,<ChangesHex><CR>	ASCII	
	TX	#GET ALL KEY CHANGES<CR>		
	RX	#2,GAKC:0,0x0<CR>		
		Current change counter for all keys:0		
Returns the counter for changes on all keys. As soon as the module detects a short keypress or long key press or long key release event, this counter is incremented by 1. If this values has changed sience the last polling request, the host knows, that at least one digital input has changed its state.				
CHANGE ALL KEYS	**ASCII READ COMMAND**	#CHANGE ALL KEYS<CR> #CAKEYS<CR> Result: #CAKEYS:<ChangeKEY1Dec>,...,<ChangeKEY6Dec>, <ChangeKEY1Hex>,...,<ChangeKEY6Hex><CR>	ASCII	
	TX	#CHANGE ALL KEYS<CR>		
	RX	#2,CAKEYS:0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for changes on KEY1:0		
		Current counter for changes on KEY2:0		

		Current counter for changes on KEY3:0		
		Current counter for changes on KEY4:0		
		Current counter for changes on KEY5:0		
		Current counter for changes on KEY6:0		
Returns for each key the counter for changes. As soon as the module detects a signal change on a key, the change counter for the affected key is incremented by 1. A signal change can be: Detection of a short keypress Detection of the start of a long keypress Detection of a release of a long keypress				
CHANGE KEYx	**ASCII READ COMMAND**	#CHANGE KEY<KEYNR><CR> #CKEY<KEYNR><CR> Result: #CKEY<KEYNR>:<ChangesDec>,<ChangesHex><CR>	ASCII	
	KEYNR	3		
	TX	#CHANGE KEY3<CR>		
	RX	#2,CKEY3:0,0x0<CR>		
		Current counter for changes on digital input DI3:0		
Returns for key KEYNR the counter for signal changes. As soon as the module detects a signal change on a key, the change counter for the affected key is incremented by 1. A signal change can be: Detection of a short keypress Detection of the start of a long keypress Detection of a release of a long keypress				
SHORT KEY ALL KEYS	**ASCII READ COMMAND**	#SHORT KEY ALL KEYS<CR> #SKAKEYS<CR> Result: #SKAKEYS:<ShortKeyKEY1Dec>,...,<ShortKeyKEY6Dec>, <ShortKeyKEY1Hex>,...,<ShortKeyKEY6Hex><CR>	ASCII	
	TX	#SHORT KEY ALL KEYS<CR>		
	RX	#2,SKAKEYS:0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for short keypress events on KEY1:0		
		Current counter for short keypress events on KEY2:0		
		Current counter for short keypress events on KEY3:0		
		Current counter for short keypress events on KEY4:0		
		Current counter for short keypress events on KEY5:0		
		Current counter for short keypress events on KEY6:0		
Returns for each key the counter for short keypress events. As soon as the module detects a short keypress on a key, the counter for the affected key is incremented by 1.				
SHORT KEY KEYx	**ASCII READ COMMAND**	#SHORT KEY KEY<KEYNR><CR> #SKKEY<KEYNR><CR> Result: #SKKEY<KEYNR>:<ShortKeyDec>,<ShortKeyHex><CR>	ASCII	
	KEYNR	1		
	TX	#SHORT KEY KEY1<CR>		
	RX	#2,SKKEY1:0,0x0<CR>		
		Current counter for short keypress events on key KEY1:0		
Returns for key KEYNR the counter for short keypress events. As soon as the module detects a short keypress on a key, the counter for the affected key is incremented by 1.				

LONG KEY START ALL KEYS	**ASCII READ COMMAND**	#LONG KEY START ALL KEYS<CR> #LKSAKEYS<CR> Result: #LKSAKEYS:<LongKeyStartKEY1Dec>,...,<LongKeyStartKEY6Dec>, <LongKeyStartKEY1Hex>,...,<LongKeyStartKEY6Hex><CR>	ASCII	
	TX	#LONG KEY START ALL KEYS<CR>		
	RX	#2,LKSAKEYS:0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for long keypress start events on KEY1:0		
		Current counter for long keypress start events on KEY2:0		
		Current counter for long keypress start events on KEY3:0		
		Current counter for long keypress start events on KEY4:0		
		Current counter for long keypress start events on KEY5:0		
		Current counter for long keypress start events on KEY6:0		
Returns for each key the counter for long keypress start events. As soon as the module detects the start of a long keypress on a key, the counter for the affected key is incremented by 1.				
LONG KEY START KEYx	**ASCII READ COMMAND**	#LONG KEY START KEY<KEYNR><CR> #LKSKEY<KEYNR><CR> Result: #LKSKEY<KEYNR>:<LongKeyStartDec>,<LongKeyStartHex><CR>	ASCII	
	KEYNR	1		
	TX	#LONG KEY START KEY1<CR>		
	RX	#2,LKSKEY1:0,0x0<CR>		
		Current counter for long keypress start events on key KEY1:0		
Returns for key KEYNR the counter for long keypress start events. As soon as the module detects the start of a long keypress on a key, the counter for the affected key is incremented by 1.				
LONG KEY END ALL KEYS	**ASCII READ COMMAND**	#LONG KEY END ALL KEYS<CR> #LKEAKEYS<CR> Result: #LKEAKEYS:<LongKeyEndKEY1Dec>,...,<LongKeyEndKEY6Dec>, <LongKeyEndKEY1Hex>,...,<LongKeyEndKEY6Hex><CR>	ASCII	
	TX	#LONG KEY END ALL KEYS<CR>		
	RX	#2,LKEAKEYS:0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for long keypress end events on KEY1:0		
		Current counter for long keypress end events on KEY2:0		
		Current counter for long keypress end events on KEY3:0		
		Current counter for long keypress end events on KEY4:0		
		Current counter for long keypress end events on KEY5:0		
		Current counter for long keypress end events on KEY6:0		
Returns for each key the counter for long keypress end events. As soon as the module detects the end of a long keypress on a key, the counter for the affected key is incremented by 1.				
LONG KEY END KEYx	**ASCII READ COMMAND**	#LONG KEY END KEY<KEYNR><CR> #LKEKEY<KEYNR><CR> Result: #LKEKEY<KEYNR>:<LongKeyEndDec>,<LongKeyEndHex><CR>	ASCII	
	KEYNR	1		
	TX	#LONG KEY END KEY1<CR>		
	RX	#2,LKEKEY1:0,0x0<CR>		
		Current counter for long keypress end events on key KEY1:0		

Returns for key KEYNR the counter for long keypress end events. As soon as the module detects the end of a long keypress on a key, the counter for the affected key is incremented by 1.				
RISE ALL KEYS	**ASCII READ COMMAND**	#RISE ALL KEYS<CR> #RAKEYS<CR> Result: #RAKEYS:<RiseKEY1Dec>,...,<RiseKEY6Dec>, <RiseKEY1Hex>,...,<RiseKEY6Hex><CR>	ASCII	
	TX	#RISE ALL KEYS<CR>		
	RX	#2,RAKEYS:0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for rising edges on KEY1:0		
		Current counter for rising edges on KEY2:0		
		Current counter for rising edges on KEY3:0		
		Current counter for rising edges on KEY4:0		
		Current counter for rising edges on KEY5:0		
		Current counter for rising edges on KEY6:0		
Returns for each key the counter for rising edges. As soon as the module detects a rising edge on a key, the rising edge counter for the affected key is incremented by 1.				
RISE KEYx	**ASCII READ COMMAND**	#RISE KEY<KEYNR><CR> #RKEY<KEYNR><CR> Result: #RKEY<KEYNR>:<RiseDec>,<RiseHex><CR>	ASCII	
	KEYNR	1		
	TX	#RISE KEY1<CR>		
	RX	#2,RKEY1:0,0x0<CR>		
		Current counter for rising edges on key KEY1:0		
Returns for key KEYNR the counter for rising edges. As soon as the module detects a rising edge on a key, the rising edge counter for the affected key is incremented by 1.				
FALL ALL KEYS	**ASCII READ COMMAND**	#FALL ALL KEYS<CR> #FAKEYS<CR> Result: #FAKEYS:<FallKEY1Dec>,...,<FallKEY6Dec>, <FallKEY1Hex>,...,<FallKEY6Hex><CR>	ASCII	
	TX	#FALL ALL KEYS<CR>		
	RX	#2,FAKEYS:0,0,0,0,0,0,0x0,0x0,0x0,0x0,0x0,0x0,0x0<CR>		
		Current counter for falling edges on KEY1:0		
		Current counter for falling edges on KEY2:0		
		Current counter for falling edges on KEY3:0		
		Current counter for falling edges on KEY4:0		
		Current counter for falling edges on KEY5:0		
		Current counter for falling edges on KEY6:0		
Returns for each key the counter for falling edges. As soon as the module detects a falling edge on a key, the falling edge counter for the affected key is incremented by 1.				
FALL KEYx	**ASCII READ COMMAND**	#FALL KEY<KEYNR><CR> #FKEY<KEYNR><CR> Result: #FKEY<KEYNR>:<FallDec>,<FallHex><CR>	ASCII	
	KEYNR	1		
	TX	#FALL KEY1<CR>		
	RX	#2,FKEY1:0,0x0<CR>		

		Current counter for falling edges on key KEY1:0		
Returns for key KEYNR the counter for falling edges. As soon as the module detects a falling edge on a key, the falling edge counter for the affected key is incremented by 1.				
RESET KEY COUNTERS	**ASCII WRITE COMMAND**	#RESET KEY COUNTERS<CR> #RKEYC<CR> Result: #OK<CR>	ASCII	NO
	TX	#RESET KEY COUNTERS<CR>		
	RX	N/A		
Resets all internal counters for keys and events for all keys to 0.				
GET CPU TEMPERATURE	**ASCII READ COMMAND**	#GET CPU TEMPERATURE<CR> #GCPUTEMP<CR> Result: #GCPUTEMP:<CPUTEMP><CR>	ASCII	
	TX	#GET CPU TEMPERATURE<CR>		
	RX	#2,GCPUTEMP:32.1826<CR>		
		Current internal CPU temperature:32.1826°C		
Current internal temperature of CPU in ° Celsius multiplied by 10.				
GET CPU VOLTAGE	**ASCII READ COMMAND**	#GET CPU VOLTAGE<CR> #GCPUVOLT<CR> Result: #GCPUVOLT:<CPUVOLT><CR>	ASCII	
	TX	#GET CPU VOLTAGE<CR>		
	RX	#2,GCPUVOLT:3.4534<CR>		
		Current internal CPU voltage:3.4534V		

TEMPERATURE UINT	3x00201 4x00201 I:200	0,0x0000 B:00 00		0:°CELSIUS	UINT16 R/W	NO
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE 1 CURRENT	3x00202 4x00202 I:201	292,0x0124 B:01 24			SINT16 R/O	
		TEMPERATURE1:Current value:29,2°C				
SENSOR1: Current temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x00203 4x00203 I:202	9990,0x2706 B:27 06			SINT16 R/O	
		TEMPERATURE1:Average value:999,0°C				
SENSOR1: Average of temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
COUNTERS						
TEMPERATURE 1 CURRENT COUNTER	3x00204 4x00204 I:203	41,0x0029 B:00 29			UINT16 R/O	
		Current counter:41				
SENSOR1: This register is incremented on every successful measurement of the temperature with this sensor						
TEMPERATURE 1 AVERAGE COUNTER	3x00205 4x00205 I:204	0,0x0000 B:00 00			UINT16 R/O	
		Current counter:0				
SENSOR1: This register is incremented on every successful calculation of a new average temperature value for this sensor						
SENSOR STATUS						
I2C ERRORS	3x00206 4x00206 I:205	0,0x0000 B:00 00			UINT16 R/O	
		Current I2C error counter:0				
SENSOR: This register is incremented, on every I2C error with the sensor element for diagnostic						
I2C ERROR REASON	3x00207 4x00207 I:206	0,0x0000 B:00 00			UINT16 R/O	
		Current I2C error reason:0				
SENSOR: This register shows the last internal error reason on I2C for diagnostic						
SENSORS RESET ERRORS	3x00208 4x00208 I:207	0,0x0000 B:00 00		1:YES	UINT16 R/W	NO
SENSOR: This register tries to reset the internal errors of the sensors						

SENSOR CALIBRATION						
TEMPERATURE 1 OFFSET	3x00209 4x00209 I:208	0,0x0000 B:00 00	0	0	SINT16 R/W	NO
		TEMPERATURE1:Current offset:0,0°C				
SENSOR1: Current calibration offset for temperature in 1/10°. 265 -> 26,5. Unit is ALWAYS °CELSIUS						

TEMPERATURE UINT	3x01001 4x01001 I:1000	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x01003 4x01003 I:1002	2926,0x00000B6E B:00 00 0B 6E			SINT32 R/O	
		TEMPERATURE1:Current value:29,26°C				
SENSOR1: Current temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x01005 4x01005 I:1004	99900,0x0001863C B:00 01 86 3C			SINT32 R/O	
		TEMPERATURE1:Average value:999,00°C				
SENSOR1: Average of temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
STATUS						
TEMPERATURE UINT	3x02001 4x02001 I:2000	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x02003 4x02003 I:2002	2926,0x00000B6E B:0B 6E 00 00			SINT32R R/O	
		TEMPERATURE1:Current value:29,26°C				
SENSOR1: Current temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x02005 4x02005 I:2004	99900,0x0001863C B:86 3C 00 01			SINT32R R/O	
		TEMPERATURE1:Average value:999,00°C				
SENSOR1: Average of temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						

TEMPERATURE UINT	3x03001 4x03001 I:3000	0.000000,0x00000000 B:00 00 00 00			FLOAT32 R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x03003 4x03003 I:3002	29.266018,0x41EA20CE B:41 EA 20 CE			FLOAT32 R/O	
		TEMPERATURE1:Current value:29,27°C				
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x03005 4x03005 I:3004	999.000000,0x4479C000 B:44 79 C0 00			FLOAT32 R/O	
		TEMPERATURE1:Average value:999,00°C				
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
STATUS						
TEMPERATURE UINT	3x04001 4x04001 I:4000	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x04003 4x04003 I:4002	29.266018,0x41EA20CE B:20 CE 41 EA			FLOAT32R R/O	
		TEMPERATURE1:Current value:29,27°C				
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x04005 4x04005 I:4004	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		TEMPERATURE1:Average value:999,00°C				
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						

TEMPERATURE UINT	3x05001 4x05001 I:5000	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x05005 4x05005 I:5004	29.244568,0x403D3E9BFFFFFFFE B:40 3D 3E 9B FF FF FF FE			DOUBLE64 R/O	
		TEMPERATURE1:Current value:29,24°C				
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x05009 4x05009 I:5008	999.000000,0x408F380000000000 B:40 8F 38 00 00 00 00 00			DOUBLE64 R/O	
		TEMPERATURE1:Average value:999,00°C				
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
STATUS						
TEMPERATURE UINT	3x06001 4x06001 I:6000	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x06005 4x06005 I:6004	29.244568,0x403D3E9BFFFFFFFE B:FF FE FF FF 3E 9B 40 3D			DOUBLE64R R/O	
		TEMPERATURE1:Current value:29,24°C				
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x06009 4x06009 I:6008	999.000000,0x408F380000000000 B:00 00 00 00 38 00 40 8F			DOUBLE64R R/O	
		TEMPERATURE1:Average value:999,00°C				
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						

GET TEMPERATURE UNIT	**ASCII READ COMMAND**	#GET TEMPERATURE UNIT<CR> #GTEMPUNIT<CR> Result: #GTEMPUNIT:<TEMPUNIT><CR>	ASCII	
	TX	#GET TEMPERATURE UNIT<CR>		
	RX	#255,GTEMPUNIT:CELSIUS<CR>		
		Current selected temperature unit:CELSIUS	°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT				
SET TEMPERATURE UNIT	**ASCII WRITE COMMAND**	#SET TEMPERATURE UNIT:<TEMPUNIT><CR> #STEMPUNIT:<TEMPUNIT><CR> Result: #OK<CR>	ASCII	NO
	TEMPUNIT	CELSIUS		
	TX	#SET TEMPERATURE UNIT:CELSIUS<CR>		
	RX	N/A		
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT				
GET TEMPERATURES	**ASCII READ COMMAND**	#GET TEMPERATURES<CR> #GTEMPS<CR> Result: #GTEMPS:<TEMP><CR>	ASCII	
	TX	#GET TEMPERATURES<CR>		
	RX	#255,GTEMPS:28.1935<CR>		
		Current temperature Sensor 1:28.1935°C		
Returns the current temperatures for both internal temperature sensors with 4 commas. The defined unit is used as the scale (° C, ° F or ° K) TEMP1: Current temperature value of sensor 1:SI7051				
GET AVERAGE TEMPERATURES	**ASCII READ COMMAND**	#GET AVERAGE TEMPERATURES<CR> #GAVGTEMPS<CR> Result: #GAVGTEMPS:<AVGTEMP><CR>	ASCII	
	TX	#GET AVERAGE TEMPERATURES<CR>		
	RX	#255,GAVGTEMPS:28.2070<CR>		
		Average temperature Sensor 1:28.2070°C		
Returns the average over time temperatures for both internal temperature sensors with 4 commas. The defined unit is used as the scale (° C, ° F or ° K) TEMP1: Average over time temperature value of sensor 1:SI7051				
GET CURRENT TEMPERATURE COUNTERS	**ASCII READ COMMAND**	#GET TEMPERATURE COUNTERS<CR> #GTCS<CR> Result: #GTCS:<T1CNTDEC>,<T1CNTHEX><CR>	ASCII	

	TX	#GET TEMPERATURE COUNTERS<CR>		
	RX	#255,GTCS:2420,0x974<CR>		
		Current counter for temperture sensor 1:2420		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET AVERAGE TEMPERATURE COUNTERS	**ASCII READ COMMAND**	#GET AVERAGE TEMPERATURE COUNTERS<CR> #GAVGTCS<CR> Result: #GAVGTCS:<AVGT1CNTDEC>,<AVGT1CNTHEX><CR>	ASCII	
	TX	#GET AVERAGE TEMPERATURE COUNTERS<CR>		
	RX	#255,GAVGTCS:48,0x30<CR>		
		Average counter for temperture sensor 1:48		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET SENSOR STATUS	**ASCII READ COMMAND**	#GET SENSOR STATUS<CR> #GSENSSTAT<CR> Result: #GSENSSTAT:<I2CERRORSDEC>,<I2CERRORDEC>, <I2CERRORSHEX>,<I2CERRORHEX><CR>	ASCII	
	TX	#GET SENSOR STATUS<CR>		
	RX	#255,GSENSSTAT:0,0,0x0,0x0<CR>		
		Current I2C errors:0		
		Current I2C error:0		
The current status of the internal sensors and I2C bus systems				
SET CALIBRATION OFFSET1	**ASCII WRITE COMMAND**	#SET CALIBRATION OFFSET1:<CTOFS1><CR> #SCOFS1:<CTOFS1><CR> Result: #OK<CR>	ASCII	NO
	CTOFS1	0		
	TX	#SET CALIBRATION OFFSET1:0<CR>		
	RX	N/A		
SENSOR1: Sets a new calibration offset for temperature in 1/10°. 265 -> 26,5. Unit is ALWAYS °CELSIUS				
GET CALIBRATION OFFSET1	**ASCII READ COMMAND**	#GET CALIBRATION OFFSET1<CR> #GCOFS1<CR> Result: #GCOFS1:<TCOFS1><CR>	ASCII	
	TX	#GET CALIBRATION OFFSET1<CR>		
	RX	#255,GCOFS1:0.0<CR>		
		Current calibration offset:0.0°C		
SENSOR1: Current calibration offset for temperature in 1/10°. 265 -> 26,5. Unit is ALWAYS °CELSIUS				

HW_GROUP	3x00001 4x00001 I:0	???? B:????			UINT16 R/O	
This is the group of hardware of the current product						
SW_GROUP	3x00002 4x00002 I:1	???? B:????			UINT16 R/O	
This is the group of software of the current product						
SW_VERSION	3x00003 4x00003 I:2	???? B:????			UINT16 R/O	
		????				
This is the current software version of the firmware						
SW_AUTHOR	3x00004 4x00004 I:3	???? B:????			UINT16 R/O	
This is the current software author of the firmware						
SERIAL1	3x00005 4x00005 I:4	???? B:????			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL2	3x00006 4x00006 I:5	???? B:????			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL3	3x00007 4x00007 I:6	???? B:????			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL4	3x00008 4x00008 I:7	???? B:????			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL5	3x00009 4x00009 I:8	???? B:????			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL6	3x00010 4x00010 I:9	???? B:????			UINT16 R/O	
		SERIAL:????????????????????????				
Serial number of module as 96 bit unsigned integer number						
TEMPERATURE UINT	3x00011 4x00011 I:10	???? B:????		0:°CELSIUS	UINT16 R/W	NO

		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x00012 4x00012 I:11	???? B:????			SINT16 R/O	
		TEMPERATURE1:Current value:0,0°C				
SENSOR1: Current temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x00013 4x00013 I:12	???? B:????			SINT16 R/O	
		TEMPERATURE2:Current value:0,0°C				
SENSOR2: Current temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x00014 4x00014 I:13	???? B:????			SINT16 R/O	
		TEMPERATURE1+2:Current value:0,0°C				
SENSOR2: Average of current temperature between SENSOR1 and SENSOR 2 in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x00015 4x00015 I:14	???? B:????			SINT16 R/O	
		TEMPERATURE1:Average value:0,0°C				
SENSOR1: Average of temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x00016 4x00016 I:15	???? B:????			SINT16 R/O	
		TEMPERATURE2:Average value:0,0°C				
SENSOR2: Average of temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x00017 4x00017 I:16	???? B:????			SINT16 R/O	
		TEMPERATURE1+2:Average value:0,0°C				
SENSOR2: Average temperature of the middled temperature sensors 1+2 temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
HUMIDITY SENSOR						
RELATIVE HUMIDITY CURRENT	3x00018 4x00018 I:17	???? B:????			UINT16 R/O	
		REL.HUMIDITY:Current value:0,0%				
SENSOR: Current relative humidity in 1/10 % (425-> 42,5%)						

ABSOLUTE HUMIDITY CURRENT	3x00019 4x00019 I:18	???? B:????			UINT16 R/O	
		ABS.HUMIDITY:Current value:0,0g/m³				
SENSOR: Current absolute humidity in 1/10 g/m³ (83-> 8,3g/m³)						
DEW POINT CURRENT	3x00020 4x00020 I:19	???? B:????			SINT16 R/O	
		DEW POINT:Current value:0,0°C				
SENSOR: Current calculated dew point temperature in 1/10°. 265 -> 26,5. Unit is defined by T_UNIT (°C, °F or °K)						
RELATIVE HUMIDITY AVERAGE	3x00021 4x00021 I:20	???? B:????			UINT16 R/O	
		REL.HUMIDITY:Average value:0,0%				
SENSOR: Average of relative humidity in 1/10 % (425-> 42,5%)						
ABSOLUTE HUMIDITY AVERAGE	3x00022 4x00022 I:21	???? B:????			UINT16 R/O	
		ABS-HUMIDITY:Average value:0,0g/m³				
SENSOR:Average of absolute humidity in 1/10 g/m³ (83-> 8,3g/m³)						
DEW POINT AVERAGE	3x00023 4x00023 I:22	???? B:????			SINT16 R/O	
		DEW POINT:Average value:0,0°C				
SENSOR: Average of calculated dew point temperature in 1/10°. 265 -> 26,5. Unit is defined by T_UNIT (°C, °F or °K)						
AIR PRESSURE SENSOR						
AIR PRESSURE CURRENT	3x00024 4x00024 I:23	???? B:????			UINT16 R/O	
		AIR PRESSURE:Current value:0,0hPa				
SENSOR: Current measured air pressure in 1/10 hPa 9865 -> 986,5hPa -> 986500Pa						
ALTITUDE CURRENT	3x00025 4x00025 I:24	???? B:????			UINT16 R/O	
		ALTITUDE:Current value:0m				
SENSOR: Current calculated altitude above sea level in m 385 -> 385m						
AIR PRESSURE AVERAGE	3x00026 4x00026 I:25	???? B:????			UINT16 R/O	
		AIR PRESSURE:Average value:0,0hPa				
SENSOR: Average of measured air pressure in 1/10 hPa 9865 -> 986,5hPa -> 986500Pa						
ALTITUDE AVERAGE	3x00027 4x00027 I:26	???? B:????			UINT16 R/O	
		ALTITUDE:Average value:0m				

SENSOR: Average of calculated altitude above sea level in m 385 -> 385m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x00028 4x00028 I:27	???? B:????			UINT16 R/O	
		GAS RESISTANCE:Current value:0,000kOhm				
SENSOR: Current measured gas resistance in Ohm 1876 -> 18760Ohm -> 18,76kOhm						
GAS RESISTANCE AVERAGE	3x00029 4x00029 I:28	???? B:????			UINT16 R/O	
		GAS RESISTANCE:Average value:0,000kOhm				
SENSOR: Average of measured gas resistance in Ohm 1876 -> 18760Ohm -> 18,76kOhm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x00030 4x00030 I:29	???? B:????			UINT16 R/O	
		AIR QUALITY HUMIDTY:Current score:0,0%				
SENSOR: Current calculated air quality score for humidity in 1/10 % 876 -> 87,6%						
AIR QUALITY GAS SENSOR CURRENT	3x00031 4x00031 I:30	???? B:????			UINT16 R/O	
		AIR QUALITY GAS SENSOR:Current score:0,0%				
SENSOR: Current calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY TOTAL CURRENT	3x00032 4x00032 I:31	???? B:????			UINT16 R/O	
		AIR QUALITY TOTAL:Current score:0,0%				
SENSOR: Current calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX CURRENT	3x00033 4x00033 I:32	???? B:????			UINT16 R/O	
		AIR QUALITY TOTAL:Current score:0:GOOD				
SENSOR: Current of calculated average air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						
AIR QUALITY HUMIDITY AVERAGE	3x00034 4x00034 I:33	???? B:????			UINT16 R/O	
		AIR QUALITY HUMIDTY:Average score:0,0%				
SENSOR: Average over time of calculated air quality score for humidity in 1/10 % 876 -> 87,6%						
AIR QUALITY GAS SENSOR AVERAGE	3x00035 4x00035 I:34	???? B:????			UINT16 R/O	
		AIR QUALITY GAS SENSOR:Average score:0,0%				
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						

AIR QUALITY TOTAL AVERAGE	3x00036 4x00036 I:35	???? B:????			UINT16 R/O	
		AIR QUALITY TOTAL:Average score:0,0%				
SENSOR: Average over time of calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX AVERAGE	3x00037 4x00037 I:36	???? B:????			UINT16 R/O	
		AIR QUALITY TOTAL:Average score:0:GOOD				
SENSOR Average over time of air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						
COUNTERS						
TEMPERATURE 1 CURRENT COUNTER	3x00038 4x00038 I:37	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR1: This register is incremented on every successful measurement of the temperature with this sensor						
TEMPERATURE 2 CURRENT COUNTER	3x00039 4x00039 I:38	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR2: This register is incremented on every successful measurement of the temperature with this sensor						
TEMPERATURE 1+2 CURRENT COUNTER	3x00040 4x00040 I:39	???? B:????			UINT16 R/O	
		Current counter:0				
SENSORS 1+2: This register is incremented on every successful calculation of the average value of both sensors						
TEMPERATURE 1 AVERAGE COUNTER	3x00041 4x00041 I:40	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR1: This register is incremented on every successful calculation of a new average temperature value for this sensor						
TEMPERATURE 2 AVERAGE COUNTER	3x00042 4x00042 I:41	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR2: This register is incremented on every successful calculation of a new average temperature value for this sensor						
TEMPERATURE 1+2 AVERAGE COUNTER	3x00043 4x00043 I:42	???? B:????			UINT16 R/O	
		Current counter:0				
SENSORS 1+2: This register is incremented on every successful calculation of the average temperature value of both sensors						

REL HUMIDITY CURRENT COUNTER	3x00044 4x00044 I:43	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful measurement of the relative humidity sensor						
ABS HUMIDITY CURRENT COUNTER	3x00045 4x00045 I:44	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the absolute humidity						
DEW POINT CURRENT COUNTER	3x00046 4x00046 I:45	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the dew point						
REL HUMIDITY AVERAGE COUNTER	3x00047 4x00047 I:46	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the average over time of the relative humidity						
ABS HUMIDITY AVERAGE COUNTER	3x00048 4x00048 I:47	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the average over time of the absolute humidity						
DEW POINT AVERAGE COUNTER	3x00049 4x00049 I:48	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the average over time of the dew point						
AIR PRESSURE CURRENT COUNTER	3x00050 4x00050 I:49	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful measurement of the air pressure sensor						
ALITUDE CURRENT COUNTER	3x00051 4x00051 I:50	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the altitude above sea level						
AIR PRESSURE AVERAGE COUNTER	3x00052 4x00052 I:51	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the average over time for the air pressure						

ALITUDE AVERAGE COUNTER	3x00053 4x00053 I:52	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the average over time for the altitude above sea level						
GAS RESISTANCE CURRENT COUNTER	3x00054 4x00054 I:53	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful measurement of the gas sensor						
GAS RESISTANCE AVERAGE COUNTER	3x00055 4x00055 I:54	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the average over time for the gas sensor						
AIR QUALITY PERCENT COUNTER	3x00056 4x00056 I:55	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the of the air quality values in percent						
AIR QUALITY INDEX COUNTER	3x00057 4x00057 I:56	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the of the air quality index as a score						
AIR QUALITY PERCENT AVERAGE COUNTER	3x00058 4x00058 I:57	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the average over time of the air quality values in percent						
AIR QUALITY INDEX AVERAGE COUNTER	3x00059 4x00059 I:58	???? B:????			UINT16 R/O	
		Current counter:0				
SENSOR: This register is incremented on every successful calculation of the average over time of the air quality index as a score						
SENSOR STATUS						
BME680 STATUS	3x00060 4x00060 I:59	???? B:????			UINT16 R/O	
		Current BME680 status:0000.0000.0000.0000				
SENSOR: This register keeps the status of the BME680 sensors for debugging purposes						
I2C ERRORS	3x00061 4x00061 I:60	???? B:????			UINT16 R/O	
		Current I2C error counter:0				

SENSOR: This register is incremented, on every I2C error with the sensor element for diagnostic						
I2C ERROR REASON	3x00062 4x00062 I:61	???? B:????			UINT16 R/O	
		Current I2C error reason:0				
SENSOR: This register shows the last internal error reason on I2C for diagnostic						
SENSORS RESET ERRORS	3x00063 4x00063 I:62	???? B:????		1:YES	UINT16 R/W	NO
SENSOR: This register tries to reset the internal errors of the sensors						
SENSOR CALIBRATION						
TEMPERATURE 1 OFFSET	3x00064 4x00064 I:63	???? B:????	0	0	SINT16 R/W	YES
		TEMPERATURE1:Current offset:0,0°C				
SENSOR1: Current calibration offset for temperature in 1/10°. 265 -> 26,5. Unit is ALWAYS °CELSIUS						
TEMPERATURE 2 OFFSET	3x00065 4x00065 I:64	???? B:????	0	0	SINT16 R/W	YES
		TEMPERATURE1:Current offset:0,0°C				
SENSOR2: Current calibration offset for temperature in 1/10°. 265 -> 26,5. Unit is ALWAYS °CELSIUS						

TEMPERATURE UINT	3x01001 4x01001 I:1000	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x01003 4x01003 I:1002	0,0x00000000 B:00 00 00 00			SINT32 R/O	
		TEMPERATURE1:Current value:0,00°C				
SENSOR1: Current temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x01005 4x01005 I:1004	0,0x00000000 B:00 00 00 00			SINT32 R/O	
		TEMPERATURE2:Current value:0,00°C				
SENSOR2: Current temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x01007 4x01007 I:1006	0,0x00000000 B:00 00 00 00			SINT32 R/O	
		TEMPERATURE1+2:Current value:0,00°C				
SENSOR2: Average of current temperature between SENSOR1 and SENSOR 2 in 1/10°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x01009 4x01009 I:1008	0,0x00000000 B:00 00 00 00			SINT32 R/O	
		TEMPERATURE1:Average value:0,00°C				
SENSOR1: Average of temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x01011 4x01011 I:1010	0,0x00000000 B:00 00 00 00			SINT32 R/O	
		TEMPERATURE2:Average value:0,00°C				
SENSOR2: Average of temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x01013 4x01013 I:1012	0,0x00000000 B:00 00 00 00			SINT32 R/O	
		TEMPERATURE1+2:Average value:0,00°C				
SENSOR2: Average temperature of the middled temperature sensors 1+2 temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
HUMIDITY SENSOR						
RELATIVE HUMIDITY CURRENT	3x01015 4x01015 I:1014	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		REL.HUMIDITY:Current value:0,00%				

SENSOR: Current relative humidity in 1/100 % (4253-> 42,53%)						
ABSOLUTE HUMIDITY CURRENT	3x01017 4x01017 I:1016	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		ABS.HUMIDITY:Current value:0,00g/m³				
SENSOR: Current absolute humidity in 1/100 g/m³ (832-> 8,32g/m³)						
DEW POINT CURRENT	3x01019 4x01019 I:1018	0,0x00000000 B:00 00 00 00			SINT32 R/O	
		DEW POINT:Current value:0,00°C				
SENSOR: Current calculated dew point temperature in 1/100°. 2654 -> 26,54. Unit is defined by T_UNIT (°C, °F or °K)						
RELATIVE HUMIDITY AVERAGE	3x01021 4x01021 I:1020	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		REL.HUMIDITY:Average value:0,00%				
SENSOR: Average of relative humidity in 1/100 % (4253-> 42,53%)						
ABSOLUTE HUMIDITY AVERAGE	3x01023 4x01023 I:1022	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		ABS-HUMIDITY:Average value:0,00g/m³				
SENSOR:Average of absolute humidity in 1/100 g/m³ (832-> 8,32g/m³)						
DEW POINT AVERAGE	3x01025 4x01025 I:1024	0,0x00000000 B:00 00 00 00			SINT32 R/O	
		DEW POINT:Average value:0,00°C				
SENSOR: Average of calculated dew point temperature in 1/100°. 2654 -> 26,54. Unit is defined by T_UNIT (°C, °F or °K)						
AIR PRESSURE SENSOR						
AIR PRESSURE CURRENT	3x01027 4x01027 I:1026	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		AIR PRESSURE:Current value:0,0Pa->0,000hPa				
SENSOR: Current measured air pressure in 1/10 Pa 962016 -> 96201,6Pa -> 962,016hPa						
ALTITUDE CURRENT	3x01029 4x01029 I:1028	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		ALTITUDE:Current value:0,0m				
SENSOR: Current calculated altitude above sea level in 1/10m 3851 -> 385,1m						
AIR PRESSURE AVERAGE	3x01031 4x01031 I:1030	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		AIR PRESSURE:Average value:0,0Pa->0,000hPa				
SENSOR: Average of measured air pressure in 1/10 Pa 962016 -> 96201,6Pa -> 962,016hPa						
ALTITUDE AVERAGE	3x01033 4x01033 I:1032	0,0x00000000 B:00 00 00 00			UINT32 R/O	

		ALTITUDE:Average value:0,0m				
SENSOR: Average of calculated altitude above sea level in 1/10m 3851 -> 385,1m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x01035 4x01035 I:1034	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		GAS RESISTANCE:Current value:0,0Ohm -> 0,000kOhm				
SENSOR: Current measured gas resistance in Ohm 18763 -> 18763Ohm -> 18,763kOhm						
GAS RESISTANCE AVERAGE	3x01037 4x01037 I:1036	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		GAS RESISTANCE:Average value:0,0Ohm -> 0,000kOhm				
SENSOR: Average of measured gas resistance in Ohm 18763 -> 18763Ohm -> 18,763kOhm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x01039 4x01039 I:1038	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		AIR QUALITY HUMIDTY:Current score:0,0%				
SENSOR: Current calculated air quality score for humidity in 1/10 % 876 -> 87,6%						
AIR QUALITY GAS SENSOR CURRENT	3x01041 4x01041 I:1040	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		AIR QUALITY GAS SENSOR:Current score:0,0%				
SENSOR: Current calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY TOTAL CURRENT	3x01043 4x01043 I:1042	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		AIR QUALITY TOTAL:Current score:0,0%				
SENSOR: Current calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX CURRENT	3x01045 4x01045 I:1044	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		AIR QUALITY TOTAL:Current score:0:GOOD				
SENSOR: Current calculated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						
AIR QUALITY HUMIDITY AVERAGE	3x01047 4x01047 I:1046	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		AIR QUALITY HUMIDTY:Average score:0,0%				
SENSOR: Average over time of calculated air quality score for humidity in 1/10 % 876 -> 87,6%						
AIR QUALITY GAS SENSOR AVERAGE	3x01049 4x01049 I:1048	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		AIR QUALITY GAS SENSOR:Average score:0,0%				
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						

AIR QUALITY TOTAL AVERAGE	3x01051 4x01051 I:1050	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		AIR QUALITY TOTAL:Average score:0,0%				
SENSOR: Average over time of calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX AVERAGE	3x01053 4x01053 I:1052	0,0x00000000 B:00 00 00 00			UINT32 R/O	
		AIR QUALITY TOTAL:Average score:0:GOOD				
SENSOR: Average over time of calculated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						

TEMPERATURE UINT	3x02001 4x02001 I:2000	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x02003 4x02003 I:2002	2397,0x0000095D B:09 5D 00 00			SINT32R R/O	
		TEMPERATURE1:Current value:23,97°C				
SENSOR1: Current temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x02005 4x02005 I:2004	2433,0x00000981 B:09 81 00 00			SINT32R R/O	
		TEMPERATURE2:Current value:24,33°C				
SENSOR2: Current temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x02007 4x02007 I:2006	2415,0x0000096F B:09 6F 00 00			SINT32R R/O	
		TEMPERATURE1+2:Current value:24,15°C				
SENSOR2: Average of current temperature between SENSOR1 and SENSOR 2 in 1/10°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x02009 4x02009 I:2008	2423,0x00000977 B:09 77 00 00			SINT32R R/O	
		TEMPERATURE1:Average value:24,23°C				
SENSOR1: Average of temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x02011 4x02011 I:2010	2455,0x00000997 B:09 97 00 00			SINT32R R/O	
		TEMPERATURE2:Average value:24,55°C				
SENSOR2: Average of temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x02013 4x02013 I:2012	2439,0x00000987 B:09 87 00 00			SINT32R R/O	
		TEMPERATURE1+2:Average value:24,39°C				
SENSOR2: Average temperature of the middled temperature sensors 1+2 temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
HUMIDITY SENSOR						
RELATIVE HUMIDITY CURRENT	3x02015 4x02015 I:2014	4297,0x000010C9 B:10 C9 00 00			UINT32R R/O	
		REL.HUMIDITY:Current value:42,97%				

SENSOR: Current relative humidity in 1/100 % (4253-> 42,53%)						
ABSOLUTE HUMIDITY CURRENT	3x02017 4x02017 I:2016	950,0x000003B6 B:03 B6 00 00			UINT32R R/O	
		ABS.HUMIDITY:Current value:9,50g/m³				
SENSOR: Current absolute humidity in 1/100 g/m³ (832-> 8,32g/m³)						
DEW POINT CURRENT	3x02019 4x02019 I:2018	1093,0x00000445 B:04 45 00 00			SINT32R R/O	
		DEW POINT:Current value:10,93°C				
SENSOR: Current calculated dew point temperature in 1/100°. 2654 -> 26,54. Unit is defined by T_UNIT (°C, °F or °K)						
RELATIVE HUMIDITY AVERAGE	3x02021 4x02021 I:2020	4235,0x0000108B B:10 8B 00 00			UINT32R R/O	
		REL.HUMIDITY:Average value:42,35%				
SENSOR: Average of relative humidity in 1/10 % (425-> 42,5%)						
ABSOLUTE HUMIDITY AVERAGE	3x02023 4x02023 I:2022	948,0x000003B4 B:03 B4 00 00			UINT32R R/O	
		ABS.HUMIDITY:Average value:9,48g/m³				
SENSOR: Average of relative humidity in 1/100 % (4253-> 42,53%)						
DEW POINT AVERAGE	3x02025 4x02025 I:2024	1091,0x00000443 B:04 43 00 00			SINT32R R/O	
		DEW POINT:Average value:10,91°C				
SENSOR:Average of absolute humidity in 1/100 g/m³ (832-> 8,32g/m³)						
AIR PRESSURE SENSOR						
AIR PRESSURE CURRENT	3x02027 4x02027 I:2026	967864,0x000EC4B8 B:C4 B8 00 0E			UINT32R R/O	
		AIR PRESSURE:Current value:96786,4Pa->967,864hPa				
SENSOR: Current measured air pressure in 1/10 Pa 962016 -> 96201,6Pa -> 962,016hPa						
ALTITUDE CURRENT	3x02029 4x02029 I:2028	4006,0x00000FA6 B:0F A6 00 00			UINT32R R/O	
		ALTITUDE:Current value:400,6m				
SENSOR: Current calculated altitude above sea level in 1/10m 3851 -> 385,1m						
AIR PRESSURE AVERAGE	3x02031 4x02031 I:2030	967864,0x000EC4B8 B:C4 B8 00 0E			UINT32R R/O	
		AIR PRESSURE:Average value:96786,4Pa->967,864hPa				
SENSOR: Average of measured air pressure in 1/10 Pa 962016 -> 96201,6Pa -> 962,016hPa						
ALTITUDE AVERAGE	3x02033 4x02033 I:2032	4009,0x00000FA9 B:0F A9 00 00			UINT32R R/O	

		ALTITUDE:Average value:400,9m				
SENSOR: Average of calculated altitude above sea level in 1/10m 3851 -> 385,1m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x02035 4x02035 I:2034	13460,0x00003494 B:34 94 00 00			UINT32R R/O	
		GAS RESISTANCE:Current value:13460,0Ohm -> 13,460kOhm				
SENSOR: Current measured gas resistance in Ohm 18763 -> 18763Ohm -> 18,763kOhm						
GAS RESISTANCE AVERAGE	3x02037 4x02037 I:2036	13510,0x000034C6 B:34 C6 00 00			UINT32R R/O	
		GAS RESISTANCE:Average value:13510,0Ohm -> 13,510kOhm				
SENSOR: Average of measured gas resistance in Ohm 18763 -> 18763Ohm -> 18,763kOhm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x02039 4x02039 I:2038	983,0x000003D7 B:03 D7 00 00			UINT32R R/O	
		AIR QUALITY HUMIDTY:Current score:98,3%				
SENSOR: Current calculated air quality score for humidity in 1/10 % 876 -> 87,6%						
AIR QUALITY GAS SENSOR CURRENT	3x02041 4x02041 I:2040	187,0x000000BB B:00 BB 00 00			UINT32R R/O	
		AIR QUALITY GAS SENSOR:Current score:18,7%				
SENSOR: Current calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY TOTAL CURRENT	3x02043 4x02043 I:2042	386,0x00000182 B:01 82 00 00			UINT32R R/O	
		AIR QUALITY TOTAL:Current score:38,6%				
SENSOR: Current calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX CURRENT	3x02045 4x02045 I:2044	5,0x00000005 B:00 05 00 00			UINT32R R/O	
		AIR QUALITY TOTAL:Current score:5:HAZARDOUS				
SENSOR: Current calculated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						
AIR QUALITY HUMIDITY AVERAGE	3x02047 4x02047 I:2046	993,0x000003E1 B:03 E1 00 00			UINT32R R/O	
		AIR QUALITY HUMIDTY:Average score:99,3%				
SENSOR: Average over time of calculated air quality score for humidity in 1/10 % 876 -> 87,6%						
AIR QUALITY GAS SENSOR AVERAGE	3x02049 4x02049 I:2048	189,0x000000BD B:00 BD 00 00			UINT32R R/O	
		AIR QUALITY GAS SENSOR:Average score:18,9%				
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						

AIR QUALITY TOTAL AVERAGE	3x02051 4x02051 I:2050	390,0x00000186 B:01 86 00 00			UINT32R R/O	
		AIR QUALITY TOTAL:Average score:39,0%				
SENSOR: Average over time of calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX AVERAGE	3x02053 4x02053 I:2052	5,0x00000005 B:00 05 00 00			UINT32R R/O	
		AIR QUALITY TOTAL:Average score:5:HAZARDOUS				
SENSOR: Average over time of calculated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						

TEMPERATURE UINT	3x03001 4x03001 I:3000	0.000000,0x00000000 B:00 00 00 00			FLOAT32 R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x03003 4x03003 I:3002	26.509668,0x41D413CD B:41 D4 13 CD			FLOAT32 R/O	
		TEMPERATURE1:Current value:26,51°C				
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x03005 4x03005 I:3004	26.738281,0x41D5E800 B:41 D5 E8 00			FLOAT32 R/O	
		TEMPERATURE2:Current value:26,74°C				
SENSOR2: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x03007 4x03007 I:3006	26.623974,0x41D4FDE6 B:41 D4 FD E6			FLOAT32 R/O	
		TEMPERATURE1+2:Current value:26,62°C				
SENSOR2: Average of current temperature between SENSOR1 and SENSOR 2 in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x03009 4x03009 I:3008	26.449179,0x41D397EB B:41 D3 97 EB			FLOAT32 R/O	
		TEMPERATURE1:Average value:26,45°C				
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x03011 4x03011 I:3010	26.680683,0x41D5720A B:41 D5 72 0A			FLOAT32 R/O	
		TEMPERATURE2:Average value:26,68°C				
SENSOR2: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x03013 4x03013 I:3012	26.564932,0x41D484FB B:41 D4 84 FB			FLOAT32 R/O	
		TEMPERATURE1+2:Average value:26,56°C				
SENSOR2: Average temperature of the middled temperature sensors 1+2 temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
HUMIDITY SENSOR						
RELATIVE HUMIDITY CURRENT	3x03015 4x03015 I:3014	35.384186,0x420D8968 B:42 0D 89 68			FLOAT32 R/O	
		REL.HUMIDITY:Current value:35,38%				

SENSOR: Current relative humidity in %						
ABSOLUTE HUMIDITY CURRENT	3x03017 4x03017 I:3016	8.955694,0x410F4A86 B:41 0F 4A 86			FLOAT32 R/O	
		ABS.HUMIDITY:Current value:8,96g/m³				
SENSOR: Current absolute humidity in g/m³						
DEW POINT CURRENT	3x03019 4x03019 I:3018	10.161918,0x41229737 B:41 22 97 37			FLOAT32 R/O	
		DEW POINT:Current value:10,16°C				
SENSOR: Current calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)						
RELATIVE HUMIDITY AVERAGE	3x03021 4x03021 I:3020	34.101269,0x420867B3 B:42 08 67 B3			FLOAT32 R/O	
		REL.HUMIDITY:Average value:34,10%				
SENSOR: Average of relative humidity in %						
ABSOLUTE HUMIDITY AVERAGE	3x03023 4x03023 I:3022	8.603442,0x4109A7B3 B:41 09 A7 B3			FLOAT32 R/O	
		ABS-HUMIDITY:Average value:8,60g/m³				
SENSOR:Average of absolute humidity in g/m³						
DEW POINT AVERAGE	3x03025 4x03025 I:3024	9.559553,0x4118F3EE B:41 18 F3 EE			FLOAT32 R/O	
		DEW POINT:Average value:9,56°C				
SENSOR: Average of calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)						
AIR PRESSURE SENSOR						
AIR PRESSURE CURRENT	3x03027 4x03027 I:3026	966.040833,0x4471829D B:44 71 82 9D			FLOAT32 R/O	
		AIR PRESSURE:Current value:966,04hPa				
SENSOR: Current measured air pressure in hPa						
ALTITUDE CURRENT	3x03029 4x03029 I:3028	420.638916,0x43D251C8 B:43 D2 51 C8			FLOAT32 R/O	
		ALTITUDE:Current value:420,6m				
SENSOR: Current calculated altitude above sea level in m						
AIR PRESSURE AVERAGE	3x03031 4x03031 I:3030	966.045288,0x447182E6 B:44 71 82 E6			FLOAT32 R/O	
		AIR PRESSURE:Average value:966,05hPa				
SENSOR: Average of measured air pressure in hPa						
ALTITUDE AVERAGE	3x03033 4x03033 I:3032	420.517151,0x43D24232 B:43 D2 42 32			FLOAT32 R/O	

		ALTITUDE:Average value:420,5m				
SENSOR: Average of calculated altitude above sea level in m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x03035 4x03035 I:3034	12996.853516,0x464B136A B:46 4B 13 6A			FLOAT32 R/O	
		GAS RESISTANCE:Current value:12996,9Ohm				
SENSOR: Current measured gas resistance in Ohm						
GAS RESISTANCE AVERAGE	3x03037 4x03037 I:3036	15650.509766,0x46748A0A B:46 74 8A 0A			FLOAT32 R/O	
		GAS RESISTANCE:Average value:15650,5Ohm				
SENSOR: Average of measured gas resistance in Ohm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x03039 4x03039 I:3038	6.883721,0x40DC4771 B:40 DC 47 71			FLOAT32 R/O	
		AIR QUALITY HUMIDTY:Current score:6,9%				
SENSOR: Current calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR CURRENT	3x03041 4x03041 I:3040	17.770786,0x418E2A92 B:41 8E 2A 92			FLOAT32 R/O	
		AIR QUALITY GAS SENSOR:Current score:17,8%				
SENSOR: Current calculated air quality score for gas sensor in %						
AIR QUALITY TOTAL CURRENT	3x03043 4x03043 I:3042	15.049020,0x4170C8C9 B:41 70 C8 C9			FLOAT32 R/O	
		AIR QUALITY TOTAL:Current score:15,0%				
SENSOR: Current calculated air quality score in total for humidity and gas sensor in %						
AIR QUALITY INDEX CURRENT	3x03045 4x03045 I:3044	5.000000,0x40A00000 B:40 A0 00 00			FLOAT32 R/O	
		AIR QUALITY TOTAL:Current score:5:HAZARDOUS				
SENSOR: Cutrrent calculated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						
AIR QUALITY HUMIDITY AVERAGE	3x03047 4x03047 I:3046	10.259814,0x41242833 B:41 24 28 33			FLOAT32 R/O	
		AIR QUALITY HUMIDTY:Average score:10,3%				
SENSOR: Average over time of calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR AVERAGE	3x03049 4x03049 I:3048	23.667799,0x41BD57A7 B:41 BD 57 A7			FLOAT32 R/O	
		AIR QUALITY GAS SENSOR:Average score:23,7%				
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						

AIR QUALITY TOTAL AVERAGE	3x03051 4x03051 I:3050	20.315804,0x41A286C4 B:41 A2 86 C4			FLOAT32 R/O	
		AIR QUALITY TOTAL:Average score:20,3%				
SENSOR: Average over time of calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX AVERAGE	3x03053 4x03053 I:3052	5.000000,0x40A00000 B:40 A0 00 00			FLOAT32 R/O	
		AIR QUALITY TOTAL:Average score:5:HAZARDOUS				
SENSOR: Average over time of calulated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						

TEMPERATURE UINT	3x04001 4x04001 I:4000	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x04003 4x04003 I:4002	27.882481,0x41DF0F52 B:0F 52 41 DF			FLOAT32R R/O	
		TEMPERATURE1:Current value:27,88°C				
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x04005 4x04005 I:4004	28.053320,0x41E06D33 B:6D 33 41 E0			FLOAT32R R/O	
		TEMPERATURE2:Current value:28,05°C				
SENSOR2: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x04007 4x04007 I:4006	27.967901,0x41DFBE43 B:BE 43 41 DF			FLOAT32R R/O	
		TEMPERATURE1+2:Current value:27,97°C				
SENSOR2: Average of current temperature between SENSOR1 and SENSOR 2 in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x04009 4x04009 I:4008	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		TEMPERATURE1:Average value:999,00°C				
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x04011 4x04011 I:4010	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		TEMPERATURE2:Average value:999,00°C				
SENSOR2: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x04013 4x04013 I:4012	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		TEMPERATURE1+2:Average value:999,00°C				
SENSOR2: Average temperature of the middled temperature sensors 1+2 temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
HUMIDITY SENSOR						
RELATIVE HUMIDITY CURRENT	3x04015 4x04015 I:4014	35.043221,0x420C2C42 B:2C 42 42 0C			FLOAT32R R/O	
		REL.HUMIDITY:Current value:35,04%				

SENSOR: Current relative humidity in %						
ABSOLUTE HUMIDITY CURRENT	3x04017 4x04017 I:4016	9.537315,0x411898D8 B:98 D8 41 18			FLOAT32R R/O	
		ABS.HUMIDITY:Current value:9,54g/m³				
SENSOR: Current absolute humidity in g/m³						
DEW POINT CURRENT	3x04019 4x04019 I:4018	11.173767,0x4132C7C0 B:C7 C0 41 32			FLOAT32R R/O	
		DEW POINT:Current value:11,17°C				
SENSOR: Current calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)						
RELATIVE HUMIDITY AVERAGE	3x04021 4x04021 I:4020	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		REL.HUMIDITY:Average value:999,00%				
SENSOR: Average of relative humidity in %						
ABSOLUTE HUMIDITY AVERAGE	3x04023 4x04023 I:4022	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		ABS-HUMIDITY:Average value:999,00g/m³				
SENSOR:Average of absolute humidity in g/m³						
DEW POINT AVERAGE	3x04025 4x04025 I:4024	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		DEW POINT:Average value:999,00°C				
SENSOR: Average of calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)						
AIR PRESSURE SENSOR						
AIR PRESSURE CURRENT	3x04027 4x04027 I:4026	965.860107,0x4471770C B:77 0C 44 71			FLOAT32R R/O	
		AIR PRESSURE:Current value:965,86hPa				
SENSOR: Current measured air pressure in hPa						
ALTITUDE CURRENT	3x04029 4x04029 I:4028	424.147858,0x43D412ED B:12 ED 43 D4			FLOAT32R R/O	
		ALTITUDE:Current value:424,1m				
SENSOR: Current calculated altitude above sea level in m						
AIR PRESSURE AVERAGE	3x04031 4x04031 I:4030	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
		AIR PRESSURE:Average value:0,00hPa				
SENSOR: Average of measured air pressure in hPa						
ALTITUDE AVERAGE	3x04033 4x04033 I:4032	9999.000000,0x461C3C00 B:3C 00 46 1C			FLOAT32R R/O	

		ALTITUDE:Average value:9999,0m				
SENSOR: Average of calculated altitude above sea level in m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x04035 4x04035 I:4034	14581.180664,0x4663D4B9 B:D4 B9 46 63			FLOAT32R R/O	
		GAS RESISTANCE:Current value:14581,2Ohm				
SENSOR: Current measured gas resistance in Ohm						
GAS RESISTANCE AVERAGE	3x04037 4x04037 I:4036	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
		GAS RESISTANCE:Average value:0,0Ohm				
SENSOR: Average of measured gas resistance in Ohm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x04039 4x04039 I:4038	7.780995,0x40F8FDE9 B:FD E9 40 F8			FLOAT32R R/O	
		AIR QUALITY HUMIDTY:Current score:7,8%				
SENSOR: Current calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR CURRENT	3x04041 4x04041 I:4040	21.136051,0x41A916A2 B:16 A2 41 A9			FLOAT32R R/O	
		AIR QUALITY GAS SENSOR:Current score:21,1%				
SENSOR: Current calculated air quality score for gas sensor in %						
AIR QUALITY TOTAL CURRENT	3x04043 4x04043 I:4042	17.513893,0x418C1C74 B:1C 74 41 8C			FLOAT32R R/O	
		AIR QUALITY TOTAL:Current score:17,5%				
SENSOR: Current calculated air quality score in total for humidity and gas sensor in %						
AIR QUALITY INDEX CURRENT	3x04045 4x04045 I:4044	5.000000,0x40A00000 B:00 00 40 A0			FLOAT32R R/O	
		AIR QUALITY TOTAL:Current score:5:HAZARDOUS				
SENSOR: Cutrrent calculated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						
AIR QUALITY HUMIDITY AVERAGE	3x04047 4x04047 I:4046	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		AIR QUALITY HUMIDTY:Average score:999,0%				
SENSOR: Average over time of calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR AVERAGE	3x04049 4x04049 I:4048	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		AIR QUALITY GAS SENSOR:Average score:999,0%				
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						

AIR QUALITY TOTAL AVERAGE	3x04051 4x04051 I:4050	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		AIR QUALITY TOTAL:Average score:999,0%				
SENSOR: Average over time of calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX AVERAGE	3x04053 4x04053 I:4052	999.000000,0x4479C000 B:C0 00 44 79			FLOAT32R R/O	
		AIR QUALITY TOTAL:Average score:999:????				
SENSOR: Average over time of calulated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						

TEMPERATURE UINT	3x05001 4x05001 I:5000	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x05005 4x05005 I:5004	28.064807,0x403C109733333332 B:40 3C 10 97 33 33 33 32			DOUBLE64 R/O	
		TEMPERATURE1:Current value:28,06°C				
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x05009 4x05009 I:5008	28.317187,0x403C513333333333 B:40 3C 51 33 33 33 33 33			DOUBLE64 R/O	
		TEMPERATURE2:Current value:28,32°C				
SENSOR2: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x05013 4x05013 I:5012	28.196360,0x403C3244A3D70A3C B:40 3C 32 44 A3 D7 0A 3C			DOUBLE64 R/O	
		TEMPERATURE1+2:Current value:28,20°C				
SENSOR2: Average of current temperature between SENSOR1 and SENSOR 2 in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x05017 4x05017 I:5016	999.000000,0x408F380000000000 B:40 8F 38 00 00 00 00 00			DOUBLE64 R/O	
		TEMPERATURE1:Average value:999,00°C				
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x05021 4x05021 I:5020	999.000000,0x408F380000000000 B:40 8F 38 00 00 00 00 00			DOUBLE64 R/O	
		TEMPERATURE2:Average value:999,00°C				
SENSOR2: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x05025 4x05025 I:5024	999.000000,0x408F380000000000 B:40 8F 38 00 00 00 00 00			DOUBLE64 R/O	
		TEMPERATURE1+2:Average value:999,00°C				
SENSOR2: Average temperature of the middled temperature sensors 1+2 temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
HUMIDITY SENSOR						
RELATIVE HUMIDITY CURRENT	3x05029 4x05029 I:5028	34.130096,0x404110A6FF16A842 B:40 41 10 A6 FF 16 A8 42			DOUBLE64 R/O	
		REL.HUMIDITY:Current value:34,13%				

SENSOR: Current relative humidity in %						
ABSOLUTE HUMIDITY CURRENT	3x05033 4x05033 I:5032	9.424290,0x4022D93C8E4552E1 B:40 22 D9 3C 8E 45 52 E1			DOUBLE64 R/O	
		ABS.HUMIDITY:Current value:9,42g/m³				
SENSOR: Current absolute humidity in g/m³						
DEW POINT CURRENT	3x05037 4x05037 I:5036	11.007132,0x402603A6D17A4592 B:40 26 03 A6 D1 7A 45 92			DOUBLE64 R/O	
		DEW POINT:Current value:11,01°C				
SENSOR: Current calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)						
RELATIVE HUMIDITY AVERAGE	3x05041 4x05041 I:5040	999.000000,0x408F380000000000 B:40 8F 38 00 00 00 00 00			DOUBLE64 R/O	
		REL.HUMIDITY:Average value:999,00%				
SENSOR: Average of relative humidity in %						
ABSOLUTE HUMIDITY AVERAGE	3x05045 4x05045 I:5044	999.000000,0x408F380000000000 B:40 8F 38 00 00 00 00 00			DOUBLE64 R/O	
		ABS-HUMIDITY:Average value:999,00g/m³				
SENSOR:Average of absolute humidity in g/m³						
DEW POINT AVERAGE	3x05049 4x05049 I:5048	999.000000,0x408F380000000000 B:40 8F 38 00 00 00 00 00			DOUBLE64 R/O	
		DEW POINT:Average value:999,00°C				
SENSOR: Average of calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)						
AIR PRESSURE SENSOR						
AIR PRESSURE CURRENT	3x05053 4x05053 I:5052	965.737441,0x408E2DE64793472A B:40 8E 2D E6 47 93 47 2A			DOUBLE64 R/O	
		AIR PRESSURE:Current value:965,74hPa				
SENSOR: Current measured air pressure in hPa						
ALTITUDE CURRENT	3x05057 4x05057 I:5056	425.650214,0x407A9A67465CCC08 B:40 7A 9A 67 46 5C CC 08			DOUBLE64 R/O	
		ALTITUDE:Current value:425,7m				
SENSOR: Current calculated altitude above sea level in m						
AIR PRESSURE AVERAGE	3x05061 4x05061 I:5060	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
		AIR PRESSURE:Average value:0,00hPa				
SENSOR: Average of measured air pressure in hPa						
ALTITUDE AVERAGE	3x05065 4x05065 I:5064	9999.000000,0x40C3878000000000 B:40 C3 87 80 00 00 00 00			DOUBLE64 R/O	

		ALTITUDE:Average value:9999,0m				
SENSOR: Average of calculated altitude above sea level in m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x05069 4x05069 I:5068	13774.804815,0x40CAE7670429F901 B:40 CA E7 67 04 29 F9 01			DOUBLE64 R/O	
		GAS RESISTANCE:Current value:13774,8Ohm				
SENSOR: Current measured gas resistance in Ohm						
GAS RESISTANCE AVERAGE	3x05073 4x05073 I:5072	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
		GAS RESISTANCE:Average value:0,0Ohm				
SENSOR: Average of measured gas resistance in Ohm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x05077 4x05077 I:5076	10.183957,0x40245E2F9DCE2257 B:40 24 5E 2F 9D CE 22 57			DOUBLE64 R/O	
		AIR QUALITY HUMIDTY:Current score:10,2%				
SENSOR: Current calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR CURRENT	3x05081 4x05081 I:5080	19.499566,0x40337FE392F5BA9A B:40 33 7F E3 92 F5 BA 9A			DOUBLE64 R/O	
		AIR QUALITY GAS SENSOR:Current score:19,5%				
SENSOR: Current calculated air quality score for gas sensor in %						
AIR QUALITY TOTAL CURRENT	3x05085 4x05085 I:5084	17.170664,0x40312BB0A1F2103E B:40 31 2B B0 A1 F2 10 3E			DOUBLE64 R/O	
		AIR QUALITY TOTAL:Current score:17,2%				
SENSOR: Current calculated air quality score in total for humidity and gas sensor in %						
AIR QUALITY INDEX CURRENT	3x05089 4x05089 I:5088	5.000000,0x4014000000000000 B:40 14 00 00 00 00 00 00			DOUBLE64 R/O	
		AIR QUALITY TOTAL:Current score:5:HAZARDOUS				
SENSOR: Cutrrent calculated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						
AIR QUALITY HUMIDITY AVERAGE	3x05093 4x05093 I:5092	999.000000,0x408F380000000000 B:40 8F 38 00 00 00 00 00			DOUBLE64 R/O	
		AIR QUALITY HUMIDTY:Average score:999,0%				
SENSOR: Average over time of calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR AVERAGE	3x05097 4x05097 I:5096	999.000000,0x408F380000000000 B:40 8F 38 00 00 00 00 00			DOUBLE64 R/O	
		AIR QUALITY GAS SENSOR:Average score:999,0%				
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						

AIR QUALITY TOTAL AVERAGE	3x05101 4x05101 I:5100	999.000000,0x408F380000000000 B:40 8F 38 00 00 00 00 00			DOUBLE64 R/O	
		AIR QUALITY TOTAL:Average score:999,0%				
SENSOR: Average over time of calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX AVERAGE	3x05105 4x05105 I:5104	999.000107,0x408F380038003800 B:40 8F 38 00 38 00 38 00			DOUBLE64 R/O	
		AIR QUALITY TOTAL:Average score:999:????				
SENSOR: Average over time of calulated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						

TEMPERATURE UINT	3x06001 4x06001 I:6000	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O	
		Current unit:CELSIUS			°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x06005 4x06005 I:6004	28.547437,0x403C8C24CCCCCCCE B:CC CE CC CC 8C 24 40 3C			DOUBLE64R R/O	
		TEMPERATURE1:Current value:28,55°C				
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x06009 4x06009 I:6008	28.758789,0x403CC24000000000 B:00 00 00 00 C2 40 40 3C			DOUBLE64R R/O	
		TEMPERATURE2:Current value:28,76°C				
SENSOR2: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x06013 4x06013 I:6012	28.653113,0x403CA73266666667 B:66 67 66 66 A7 32 40 3C			DOUBLE64R R/O	
		TEMPERATURE1+2:Current value:28,65°C				
SENSOR2: Average of current temperature between SENSOR1 and SENSOR 2 in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x06017 4x06017 I:6016	999.000000,0x408F380000000000 B:00 00 00 00 38 00 40 8F			DOUBLE64R R/O	
		TEMPERATURE1:Average value:999,00°C				
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x06021 4x06021 I:6020	999.000000,0x408F380000000000 B:00 00 00 00 38 00 40 8F			DOUBLE64R R/O	
		TEMPERATURE2:Average value:999,00°C				
SENSOR2: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x06025 4x06025 I:6024	999.000000,0x408F380000000000 B:00 00 00 00 38 00 40 8F			DOUBLE64R R/O	
		TEMPERATURE1+2:Average value:999,00°C				
SENSOR2: Average temperature of the middled temperature sensors 1+2 temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
HUMIDITY SENSOR						
RELATIVE HUMIDITY CURRENT	3x06029 4x06029 I:6028	34.480125,0x40413D74BCEA950C B:95 0C BC EA 3D 74 40 41			DOUBLE64R R/O	
		REL.HUMIDITY:Current value:34,48%				

SENSOR: Current relative humidity in %						
ABSOLUTE HUMIDITY CURRENT	3x06033 4x06033 I:6032	9.753868,0x402381FAF58646CF B:46 CF F5 86 81 FA 40 23			DOUBLE64R R/O	
		ABS.HUMIDITY:Current value:9,75g/m³				
SENSOR: Current absolute humidity in g/m³						
DEW POINT CURRENT	3x06037 4x06037 I:6036	11.548552,0x402718DBDD08FC21 B:FC 21 DD 08 18 DB 40 27			DOUBLE64R R/O	
		DEW POINT:Current value:11,55°C				
SENSOR: Current calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)						
RELATIVE HUMIDITY AVERAGE	3x06041 4x06041 I:6040	999.000000,0x408F380000000000 B:00 00 00 00 38 00 40 8F			DOUBLE64R R/O	
		REL.HUMIDITY:Average value:999,00%				
SENSOR: Average of relative humidity in %						
ABSOLUTE HUMIDITY AVERAGE	3x06045 4x06045 I:6044	999.000000,0x408F380000000000 B:00 00 00 00 38 00 40 8F			DOUBLE64R R/O	
		ABS-HUMIDITY:Average value:999,00g/m³				
SENSOR:Average of absolute humidity in g/m³						
DEW POINT AVERAGE	3x06049 4x06049 I:6048	999.000000,0x408F380000000000 B:00 00 00 00 38 00 40 8F			DOUBLE64R R/O	
		DEW POINT:Average value:999,00°C				
SENSOR: Average of calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)						
AIR PRESSURE SENSOR						
AIR PRESSURE CURRENT	3x06053 4x06053 I:6052	965.331893,0x408E2AA7B7A6555D B:55 5D B7 A6 2A A7 40 8E			DOUBLE64R R/O	
		AIR PRESSURE:Current value:965,33hPa				
SENSOR: Current measured air pressure in hPa						
ALTITUDE CURRENT	3x06057 4x06057 I:6056	430.018998,0x407AE04DD14E2F1C B:2F 1C D1 4E E0 4D 40 7A			DOUBLE64R R/O	
		ALTITUDE:Current value:430,0m				
SENSOR: Current calculated altitude above sea level in m						
AIR PRESSURE AVERAGE	3x06061 4x06061 I:6060	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O	
		AIR PRESSURE:Average value:0,00hPa				
SENSOR: Average of measured air pressure in hPa						
ALTITUDE AVERAGE	3x06065 4x06065 I:6064	9999.000000,0x40C3878000000000 B:00 00 00 00 87 80 40 C3			DOUBLE64R R/O	

		ALTITUDE:Average value:9999,0m				
SENSOR: Average of calculated altitude above sea level in m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x06069 4x06069 I:6068	16763.163104,0x40D05ECA704A9735 B:97 35 70 4A 5E CA 40 D0			DOUBLE64R R/O	
		GAS RESISTANCE:Current value:16763,2Ohm				
SENSOR: Current measured gas resistance in Ohm						
GAS RESISTANCE AVERAGE	3x06073 4x06073 I:6072	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O	
		GAS RESISTANCE:Average value:0,0Ohm				
SENSOR: Average of measured gas resistance in Ohm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x06077 4x06077 I:6076	9.262829,0x402286917EC680C5 B:80 C5 7E C6 86 91 40 22			DOUBLE64R R/O	
		AIR QUALITY HUMIDTY:Current score:9,3%				
SENSOR: Current calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR CURRENT	3x06081 4x06081 I:6080	26.140362,0x403A23EECB2FFE32 B:FE 32 CB 2F 23 EE 40 3A			DOUBLE64R R/O	
		AIR QUALITY GAS SENSOR:Current score:26,1%				
SENSOR: Current calculated air quality score for gas sensor in %						
AIR QUALITY TOTAL CURRENT	3x06085 4x06085 I:6084	21.920979,0x4035EBC5483CCEBF B:CE BF 48 3C EB C5 40 35			DOUBLE64R R/O	
		AIR QUALITY TOTAL:Current score:21,9%				
SENSOR: Current calculated air quality score in total for humidity and gas sensor in %						
AIR QUALITY INDEX CURRENT	3x06089 4x06089 I:6088	5.000000,0x4014000000000000 B:00 00 00 00 00 00 40 14			DOUBLE64R R/O	
		AIR QUALITY TOTAL:Current score:5:HAZARDOUS				
SENSOR: Cutrrent calculated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						
AIR QUALITY HUMIDITY AVERAGE	3x06093 4x06093 I:6092	999.000000,0x408F380000000000 B:00 00 00 00 38 00 40 8F			DOUBLE64R R/O	
		AIR QUALITY HUMIDTY:Average score:999,0%				
SENSOR: Average over time of calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR AVERAGE	3x06097 4x06097 I:6096	999.000000,0x408F380000000000 B:00 00 00 00 38 00 40 8F			DOUBLE64R R/O	
		AIR QUALITY GAS SENSOR:Average score:999,0%				
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						

AIR QUALITY TOTAL AVERAGE	3x06101 4x06101 I:6100	999.000000,0x408F380000000000 B:00 00 00 00 38 00 40 8F			DOUBLE64R R/O	
		AIR QUALITY TOTAL:Average score:999,0%				
SENSOR: Average over time of calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX AVERAGE	3x06105 4x06105 I:6104	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O	
		AIR QUALITY TOTAL:Average score:0:GOOD				
SENSOR: Average over time of calulated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						

GET TEMPERATURE UNIT	**ASCII READ COMMAND**	#GET TEMPERATURE UNIT<CR> #GTEMPUNIT<CR> Result: #GTEMPUNIT:<TEMPUNIT><CR>	ASCII	
	TX	#GET TEMPERATURE UNIT<CR>		
	RX	#255,GTEMPUNIT:CELSIUS<CR>		
		Current selected temperature unit:CELSIUS	°C	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT				
SET TEMPERATURE UNIT	**ASCII WRITE COMMAND**	#SET TEMPERATURE UNIT:<TEMPUNIT><CR> #STEMPUNIT:<TEMPUNIT><CR> Result: #OK<CR>	ASCII	YES
	TEMPUNIT	CELSIUS		
	TX	#SET TEMPERATURE UNIT:CELSIUS<CR>		
	RX	N/A		
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT				
GET TEMPERATURES	**ASCII READ COMMAND**	#GET TEMPERATURES<CR> #GTEMPS<CR> Result: #GTEMPS:<TEMP1>,<TEMP2>,<TEMP12><CR>	ASCII	
	TX	#GET TEMPERATURES<CR>		
	RX	#255,GTEMPS:26.2308,26.5328,26.3818<CR>		
		Current temperature Sensor 1:26.2308°C		
		Current temperature Sensor 2:26.5328°C		
		Current average temperature Sensor 1+2:26.3818°C		
Returns the current temperatures for both internal temperature sensors with 4 commas. The defined unit is used as the scale (° C, ° F or ° K) TEMP1: Current temperature value of sensor 1:SI7051 TEMP2: Current temperature value of sensor 2: BME680 TEMP12: Average value between Sensor 1 and Sensor 2				
GET AVERAGE TEMPERATURES	**ASCII READ COMMAND**	#GET AVERAGE TEMPERATURES<CR> #GAVGTEMPS<CR> Result: #GAVGTEMPS:<AVGTEMP1>,<AVGTEMP2>,<AVGTEMP12><CR>	ASCII	
	TX	#GET AVERAGE TEMPERATURES<CR>		
	RX	#255,GAVGTEMPS:26.3033,26.5718,26.4376<CR>		
		Average temperature Sensor 1:26.3033°C		
		Average temperature Sensor 2:26.5718°C		
		Average average temperature Sensor 1+2:26.4376°C		

Returns the average over time temperatures for both internal temperature sensors with 4 commas. The defined unit is used as the scale (° C, ° F or ° K) TEMP1: Average over time temperature value of sensor 1:SI7051 TEMP2: Average over time temperature value of sensor 2: BME680 TEMP12: Average over time temperature of average value between Sensor 1 and Sensor 2				
GET HUMIDITIES	**ASCII READ COMMAND**	#GET HUMIDITIES<CR> #GHUMS<CR> Result: #GHUMS:<RELHUM>,<ABSHUM><CR>	ASCII	
	TX	#GET HUMIDITIES<CR>		
	RX	#255,GHUMS:30.88,7.73<CR>		
		Current relative humidity:30.88%		
		Current absolute humiditiy:7.73g/m³		
Returns the current relative and absolute humidity with 2 commas. RELHUM: Realtive humidity in % ABSHUM: Absolute humidity in g/m³				
GET AVERAGE HUMIDITIES	**ASCII READ COMMAND**	#GET AVERAGE HUMIDITIES<CR> #GAVGHUMS<CR> Result: #GAVGHUMS:<AVGRELHUM>,<AVGABSHUM><CR>	ASCII	
	TX	#GET AVERAGE HUMIDITIES<CR>		
	RX	#255,GAVGHUMS:30.98,7.77<CR>		
		Average relative humidity:30.98%		
		Average absolute humiditiy:7.77g/m³		
Returns the average over time of relative and absolute humidity with 2 commas. RELHUM: Average over time of realtive humidity in % ABSHUM: Average over time of absolute humidity in g/m³				
GET DEW POINT	**ASCII READ COMMAND**	#GET DEW POINT<CR> #GDWP<CR> Result: #GDWP:<DEWPOINT><CR>	ASCII	
	TX	#GET DEW POINT<CR>		
	RX	#255,GDWP:7.9623<CR>		
		Current dew point:7.9623°C		
Returns the current dew point with 4 commas. The defined unit is used as the scale (° C, ° F or ° K)				
GET AVERAGE DEW POINT	**ASCII READ COMMAND**	#GET AVERAGE DEW POINT<CR> #GAVGDWP<CR> Result: #GAVGDWP:<AVGDEWPOINT><CR>	ASCII	
	TX	#GET AVERAGE DEW POINT<CR>		
	RX	#255,GAVGDWP:8.0405<CR>		
		Average dew point :8.0405°C		
Returns the average over time of the dew point with 4 commas. The defined unit is used as the scale (° C, ° F or ° K)				

GET AIR PRESSURE	**ASCII READ COMMAND**	#GET AIR PRESSURE<CR> #GAIRP<CR> Result: #GAIRP:<AIRPRESSURE><CR>	ASCII	
	TX	#GET AIR PRESSURE<CR>		
	RX	#255,GAIRP:964.29<CR>		
		Current air pressure:964.29hPa		
Returns the current air pressure in hPa with 2 commas.				
GET ALTITUDE	**ASCII READ COMMAND**	#GET ALTITUDE<CR> #GALT<CR> Result: #GALT:<ALTITUDE><CR>	ASCII	
	TX	#GET ALTITUDE<CR>		
	RX	#255,GALT:436.4<CR>		
		Current altitude:436.4m		
Returns the current altitude over sea level in m with 1 comma.				
GET AVERAGE AIR PRESSURE	**ASCII READ COMMAND**	#GET AVERAGE AIR PRESSURE<CR> #GAVGAIRP<CR> Result: #GAVGAIRP:<AVGAIRPRESSURE><CR>	ASCII	
	TX	#GET AVERAGE AIR PRESSURE<CR>		
	RX	#255,GAVGAIRP:964.32<CR>		
		Average air pressure:964.32hPa		
Returns the average over time of the air pressure in hPa with 2 commas.				
GET AVERAGE ALTITUDE	**ASCII READ COMMAND**	#GET AVERAGE ALTITUDE<CR> #GAVGALT<CR> Result: #GAVGALT:<AVGALTITUDE><CR>	ASCII	
	TX	#GET AVERAGE ALTITUDE<CR>		
	RX	#255,GAVGALT:436.2<CR>		
		Average altitude:436.2m		
Returns the average over time of the altitude over sea level in m with 1 comma.				
GET GAS RESISTANCE	**ASCII READ COMMAND**	#GET GAS RESISTANCE<CR> #GGASR<CR> Result: #GGASR:<GASRESISTANCE><CR>	ASCII	
	TX	#GET GAS RESISTANCE<CR>		
	RX	#255,GGASR:16476.2<CR>		
		Current gas resistance:16476.2Ohm		
Returns the current measured gas resistance in Ohm with 1 comma.				
GET AVERAGE GAS RESISTANCE	**ASCII READ COMMAND**	#GET AVERAGE GAS RESISTANCE<CR> #GAVGGASR<CR> Result: #GAVGGASR:<AVGGASRESISTANCE><CR>	ASCII	
	TX	#GET AVERAGE GAS RESISTANCE<CR>		

	RX	#255,GAVGGASR:16278.7<CR>		
		Average gas resistance:16278.7Ohm		
Returns the average over time of measured gas resistance in Ohm with 1 comma.				
GET AIR QUALITY HUMIDITY SCORE	**ASCII READ COMMAND**	#GET AIR QUALITY HUMIDITY SCORE<CR> #GAQHS<CR> Result: #GAQHS:<AQHUMIDITYSCORE><CR>	ASCII	
	TX	#GET AIR QUALITY HUMIDITY SCORE<CR>		
	RX	#255,GAQHS:18.73<CR>		
		Current air quality score for humidity:18.73%		
Returns the current calculated score for the air quality of the humidity in % with 2 commas.				
GET AIR QUAILTY GAS RESISTANCE SCORE	**ASCII READ COMMAND**	#GET AIR QUALITY GAS RESISTANCE SCORE<CR> #GAQGS<CR> Result: #GAQGS:<AQGASRESISTANCESCORE><CR>	ASCII	
	TX	#GET AIR QUALITY GAS RESISTANCE SCORE<CR>		
	RX	#255,GAQGS:25.50<CR>		
		Current air quality score for gas resistance:25.50%		
Returns the current calculated score for the quality of the gas resistance in % with 2 commas.				
GET AIR QUAILTY SCORE	**ASCII READ COMMAND**	#GET AIR QUALITY SCORE<CR> #GAQS<CR> Result: #GAQS:<AIRQUALITYSCORE><CR>	ASCII	
	TX	#GET AIR QUALITY SCORE<CR>		
	RX	#255,GAQS:23.81<CR>		
		Current air quality score for gas resistance+humidity:23.81%		
Returns the current calculated score for the quality of the gas resistance and the humidity in % with 2 commas.				
GET AIR QUAILTY INDEX	**ASCII READ COMMAND**	#GET AIR QUALITY INDEX<CR> #GAQI<CR> Result: #GAQI:<AIRQUALITYINDEX><CR>	ASCII	
	TX	#GET AIR QUALITY INDEX<CR>		
	RX	#255,GAQI:5<CR>		
		Current air quality score for gas resistance+humidity:HAZARDOUS		
Returns the cutrrent calculated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous) with 0 commas				
GET AVERAGE AIR QUALITY HUMIDITY SCORE	**ASCII READ COMMAND**	#GET AVERAGE AIR QUALITY HUMIDITY SCORE<CR> #GAVGAQHS<CR> Result: #GAVGAQHS:<AVGAQHUMIDITYSCORE><CR>	ASCII	
	TX	#GET AVERAGE AIR QUALITY HUMIDITY SCORE<CR>		
	RX	#255,GAVGAQHS:18.48<CR>		
		Average air quality score for humidity:18.48%		
Returns the average over time of the calculated score for the air quality of the humidity in % with 2 commas.				

GET AVERAGE AIR QUAILTY GAS RESISTANCE SCORE	**ASCII READ COMMAND**	#GET AVERAGE AIR QUALITY GAS RESISTANCE SCORE<CR> #GAVGAQGS<CR> Result: #GAVGAQGS:<AVGAQGASRESISTANCESCORE><CR>	ASCII	
	TX	#GET AVERAGE AIR QUALITY GAS RESISTANCE SCORE<CR>		
	RX	#255,GAVGAQGS:25.06<CR>		
		Average air quality score for gas resistance:25.06%		
Returns the average over time of the calculated score for the quality of the gas resistance in % with 2 commas.				
GET AVERAGE AIR QUAILTY SCOR	**ASCII READ COMMAND**	#GET AVERAGE AIR QUALITY SCORE<CR> #GAVGAQS<CR> Result: #GAVGAQS:<AVGAIRQUALITYSCORE><CR>	ASCII	
	TX	#GET AVERAGE AIR QUALITY SCORE<CR>		
	RX	#255,GAVGAQS:23.42<CR>		
		Average air quality score for gas resistance+humidity:23.42%		
Returns the average over time of the calculated score for the quality of the gas resistance and the humidity in % with 2 commas.				
GET AVERAGE AIR QUAILTY INDEX	**ASCII READ COMMAND**	#GET AVERAGE AIR QUALITY INDEX<CR> #GAVGAQI<CR> Result: #GAVGAQI:<AVGAIRQUALITYINDEX><CR>	ASCII	
	TX	#GET AVERAGE AIR QUALITY INDEX<CR>		
	RX	#255,GAVGAQI:5<CR>		
		Average air quality score for gas resistance+humidity:HAZARDOUS		
Returns the average over time of the calculated air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous) with 0 commas				
GET CURRENT TEMPERATURE COUNTERS	**ASCII READ COMMAND**	#GET TEMPERATURE COUNTERS<CR> #GTCS<CR> Result: #GTCS:<T1CNTDEC>,<T2CNTDEC>,<T12CNTDEC>, <T1CNTHEX>,<T2CNTHEX>,<T12CNTHEX><CR>	ASCII	
	TX	#GET TEMPERATURE COUNTERS<CR>		
	RX	#255,GTCS:623,623,623,0x26F,0x26F,0x26F<CR>		
		Current counter for temperture sensor 1:623		
		Current counter for temperture sensor 2:623		
		Current counter for average of temperture sensors 1+2:623		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET AVERAGE TEMPERATURE COUNTERS	**ASCII READ COMMAND**	#GET AVERAGE TEMPERATURE COUNTERS<CR> #GAVGTCS<CR> Result: #GAVGTCS:<AVGT1CNTDEC>,<AVGT2CNTDEC>,<AVGT12CNTDEC>, <AVGT1CNTHEX>,<AVGT2CNTHEX>,<AVGT12CNTHEX><CR>	ASCII	
	TX	#GET AVERAGE TEMPERATURE COUNTERS<CR>		
	RX	#255,GAVGTCS:12,12,623,0xC,0xC,0x26F<CR>		
		Average counter for temperture sensor 1:12		
		Average counter for temperture sensor 2:12		
		Average counter for average of temperture sensors 1+2:623		

The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET CURRENT HUMIDITY COUNTERS	**ASCII READ COMMAND**	#GET HUMIDITY COUNTERS<CR> #GHCS<CR> Result: #GHCS:<RELHUMCNTDEC>,<ABSHUMCNTDEC>, <RELHUMCNTHEX>,<ABSHUMCNTHEX><CR>	ASCII	
	TX	#GET HUMIDITY COUNTERS<CR>		
	RX	#255,GGCS:623,623,0x26F,0x26F<CR>		
		Current counter for relative humidity sensor:623		
		Current counter for absolute humidity calculation:623		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET AVERAGE HUMIDITY COUNTERS	**ASCII READ COMMAND**	#GET AVERAGE HUMIDITY COUNTERS<CR> #GAVGHCS<CR> Result: #GAVGHCS:<AVGRELHUMCNTDEC>,<AVGABSHUMCNTDEC>, <AVGRELHUMCNTHEX>,<AVGABSHUMCNTHEX><CR>	ASCII	
	TX	#GET AVERAGE HUMIDITY COUNTERS<CR>		
	RX	#255,GAVGHCS:12,623,0xC,0x26F<CR>		
		Average counter for relative humidity sensor:12		
		Average counter for absolute humidity calculation:623		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET CURRENT DEW POINT COUNTERS	**ASCII READ COMMAND**	#GET DEW POINT COUNTERS<CR> #GDWPCS<CR> Result: #GDWPCS:<DEWPOINTCNTDEC>,<DEWPOINTCNTHEX><CR>	ASCII	
	TX	#GET DEW POINT COUNTERS<CR>		
	RX	#255,GDWPCS:623,0x26F<CR>		
		Current counter for dew point calculation:623		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET AVERAGE DEW POINT COUNTERS	**ASCII READ COMMAND**	#GET AVERAGE DEW POINT COUNTERS<CR> #GAVGDWPCS<CR> Result: #GAVGDWPCS:<AVGDEWPOINTCNTDEC>,<AVGDEWPOINTCNTHEX><CR>	ASCII	
	TX	#GET AVERAGE DEW POINT COUNTERS<CR>		
	RX	#255,GAVGDWPS:623,0x26F<CR>		
		Average counter for dew point calculation:623		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET CURRENT AIR PRESSURE COUNTERS	**ASCII READ COMMAND**	#GET AIR PRESSURE COUNTERS<CR> #GAPCS<CR> Result: #GAPCS:<AIRPRESSURECNTDEC>,<ALTITUDECNTDEC>, <AIRPRESSURECNTHEX>,<ALTITUDECNTHEX><CR>	ASCII	
	TX	#GET AIR PRESSURE COUNTERS<CR>		
	RX	#255,GAPCS:623,623,0x26F,0x26F<CR>		
		Current counter for air pressure sensor:623		

		Current counter for altitude calculation:623		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET AVERAGE AIR PRESSURE COUNTERS	**ASCII READ COMMAND**	#GET AVERAGE AIR PRESSURE COUNTERS<CR> #GAVGAPCS<CR> Result: #GAVGAPCS:<AVGAIRPRESSURECNTDEC>,<AVGALTITUDECNTDEC>, <AVGAIRPRESSURECNTHEX>,<AVGALTITUDECNTHEX><CR>	ASCII	
	TX	#GET AVERAGE AIR PRESSURE COUNTERS<CR>		
	RX	#255,GAVGAPCS:12,623,0xC,0x26F<CR>		
		Average counter for air pressure sensor:12		
		Average counter for altitude calculation:623		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET CURRENT GAS RESISTANCE COUNTERS	**ASCII READ COMMAND**	#GET GAS RESISTANCE COUNTERS<CR> #GGRCS<CR> Result: #GGRCS:<GASRESISTANCECNTDEC>,<GASRESISTANCECNTHEX><CR>	ASCII	
	TX	#GET GAS RESISTANCE COUNTERS<CR>		
	RX	#255,GGRCS:623,0x26F<CR>		
		Current counter for gas resistance sensor:623		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET AVERAGE GAS RESISTANCE COUNTERS	**ASCII READ COMMAND**	#GET AVERAGE GAS RESISTANCE COUNTERS<CR> #GAVGGRCS<CR> Result: #GAVGGRCS:<AVGGASRESISTANCECNTDEC>,<AVGGASRESISTANCECNTHEX><CR>	ASCII	
	TX	#GET AVERAGE GAS RESISTANCE COUNTERS<CR>		
	RX	#255,GAVGGRCS:12,0xC<CR>		
		Average counter for gas resistance sensor:12		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET CURRENT AIR QUALITY COUNTERS	**ASCII READ COMMAND**	#GET AIR QUALITY COUNTERS<CR> #GAQCS<CR> Result: #GAQCS:<AIRQUALITYCNTDEC>,<AIRQUALITYINDEXCNTDEC>, <AIRQUALITYCNTHEX>,<AIRQUALITYINDEXCNTHEX><CR>	ASCII	
	TX	#GET AIR QUALITY COUNTERS<CR>		
	RX	#255,GAQCS:623,623,0x26F,0x26F<CR>		
		Current counter for air quality calculation:623		
		Current counter for air quality index calculation:623		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET AVERAGE AIR QUALITY COUNTERS	**ASCII READ COMMAND**	#GET AVERAGE AIR QUALITY COUNTERS<CR> #GAVGAQCS<CR> Result: #GAVGAQCS:<AVGAIRQUALITYCNTDEC>,<AVGAIRQUALITYINDEXCNTDEC>, <AVGAIRQUALITYCNTHEX>,<AVGAIRQUALITYINDEXCNTHEX><CR>	ASCII	
	TX	#GET AVERAGE AIR QUALITY COUNTERS<CR>		
	RX	#255,GAVGAQCS:623,623,0x26F,0x26F<CR>		

		Average counter for air quality calculation:623		
		Average counter for air quality index calculation:623		
The values are incremented on every successful measurement of the according temperature sensor or internal calculation of a new value				
GET SENSOR STATUS	**ASCII READ COMMAND**	#GET SENSOR STATUS<CR> #GSENSSTAT<CR> Result: #GSENSSTAT:<BME680DEC>,<I2CERRORSDEC>,<I2CERRORDEC> <BME680HEX>,<I2CERRORSHEX>,<I2CERRORHEX><CR>	ASCII	
	TX	#GET SENSOR STATUS<CR>		
	RX	#255,GSENSSTAT:32,0,0,0x20,0x0,0x0<CR>		
		Current sesnor status of BME680 sensor:32		
		Current I2C errors:0		
		Current I2C error:0		
The current status of the internal sensors and I2C bus systems				