

DIP SWITCH	3x10010 4x10010 I:10009	????			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	????		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	????		1:PERFORM RESET	UINT16 R/W	YES
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	????			UINT16 R/O	
Current status of the converter						
PRODUCT DATA						
HW_GROUP	3x65201 4x65201 I:65200	????			UINT16 R/O	
This is the group of hardware of the current product						
SW_GROUP	3x65202 4x65202 I:65201	????			UINT16 R/O	
This is the group of software of the current product						
SW_VERSION	3x65203 4x65203 I:65202	????			UINT16 R/O	
This is the current software version of the firmware						
SW_AUTHOR	3x65204 4x65204 I:65203	????			UINT16 R/O	
This is the current software author of the firmware						
MODBUS SETTINGS						

UNIT_ID	3x65222 4x65222 I:65221	????		200	UINT16 R/W	NO
		UNIT ID:0				
<p>If 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:DIP switch 4 must set to OFF to activate this unit ID, otherwise the unit ID is 255.</p>						
HINT:This settings will be active after you repower or reset your device !!						
BAUD_RATE	3x65223 4x65223 I:65222	????	256000	256000	UINT32 R/W	NO
		0Bd		ENTER BAUD RATE		
<p>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)</p>						
<p>Valid baud rates are: 300bd, 600bd, 900bd, 1200bd, 2400bd, 4800bd, 9600bd, 19200bd, 38400bd, 57600bd, 115200bd, 128000bd 230400bd, 250000bd, 256000bd</p>						
HINT:This settings will be active after you repower or reset your device !!						
PARITY	3x65225 4x65225 I:65224	????		1:EVEN PARITY	UINT16 R/W	NO
		????		SELECT PARITY		
<p>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.</p> <p>Parity values are 0: no parity 1: even parity 2: odd parity</p>						
STOP BITS	3x65226 4x65226 I:65225	????		2:TWO STOPBITS	UINT16 R/W	NO
		????		SELECT STOPBITS		
<p>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.</p> <p>Values for stop bits are 1: one stop bit 2: two stop bits</p>						

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 communication				
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-RS-ID1<CR>		
		Current module type:RESI-RS-ID1		
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:3236471538303436006D676B<CR>		
		Current serial number:3236471538303436006D676B		
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:I2C,0,BME680,32<CR>		
		Current internal status of I2C:0		
		Current internal status of BME680:32		
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) Bit 4: DIP Switch 5, if available (=0:OFF, =1:ON) Bit 5: DIP Switch 6, if available (=0:OFF, =1:ON) Bit 6: DIP Switch 7, if available (=0:OFF, =1:ON) Bit 7: DIP Switch 8, if available (=0:OFF, =1:ON)				
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		
<p>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.</p> <p>HINT: The new settings are activated after a system reboot or power off on cycle!</p>				
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		
<p>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</p> <p>HINT: The new setup parameters will be active after a restart of the module.</p>				
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		
<p>Sets a new parity for the serial interface. MBParity: NONE: no parity EVEN: even parity ODD: odd parity</p> <p>HINT: The new setup parameters will be active after a restart of the module.</p>				

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 HINT: The new setup parameters will be active after a restart of the module.				
SET MODBUS PARAMS	ASCII WRITE COMMAND	#SET MODBUS PARAMS:<UNITID>,<BAUD>,<PARITY>,<STOPBIT><CR> #SETMBPARAMS:<UNITID>,<BAUD>,<PARITY>,<STOPBIT><CR> Result: #OK<CR>	ASCII	YES
	UNITID	1		
	BAUD	57600:57600BD		
	PARITY	NONE:NO PARITY		
	STOPBIT	ONE:ONE STOPBIT		
	TX	#SET MODBUS PARAMS:1,57600,NONE,ONE<CR>		
	RX	N/A		
Sets all parameters for serial interface				
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:255,200,0xFF,0xC8<CR>		
Current MODBUS unit ID for DIP4=OFF:255,200,0xFF,0xC8				
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:256000,0x3E800<CR>		
Current baudrate for DIP1+2=ON:256000,0x3E800				

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:EVEN<CR>		
		Current parity:EVEN		

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:TWO<CR>		
		Current stopbit(s):TWO		

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,200,0xC8,256000,0x3E800,EVEN,TWO<CR>		
		Current MODBUS unit ID used:255		
		Current MODBUS unit ID in FLASH:200		
		Current baudrate in FLASH:256000		
		Current parity in FLASH:EVEN		
		Current stopbit(s) in FLASH:TWO		

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	NO
	TX	#FACTORY RESET<CR>		
	RX	N/A		

FRAME LED MODE	3x50001 4x50001 I:50000	9,0x0009 B:00 09		4:EEPROM MODE	UINT16 R/W	NO
Current mode:????						
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 are 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						
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	4095,0x0FFF B:0F FF			UINT16 R/O	
Current GREEN value:100,0%						
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	4095,0x0FFF B:0F FF	4095	100,00	UINT16 R/W	NO
New GREEN value:100,0%						
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	0	0,00	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	9,0x0009 B:00 09		9:VOC SENSOR	UINT16 R/W	YES
		Current EEPROM mode:????				
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 are 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						
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	0,0x0000 B:00 00		1:BUZZER OFF	UINT16 R/W	NO
		Current BUZZER mode:IDLE				

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	0,0x0000 B:00 00		UINT16 R/O	
BUZZER is currently:OFF					
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	YES
	MODE	4:EEPROM MODE		
	TX	#SET FRAME LEDS MODE:4<CR>		
	RX	#255,OK<CR>		
<p>This is the current mode for the RGB frame lights:</p> <p>=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</p> <p>=1:ALWAYS OFF: In this mode the RGB frame lights are always off, ignoring the current values in RED, GREEN and BLUE</p> <p>=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</p> <p>=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</p> <p>=4:EEPROM MODE:After restart of the module, the settings from EEPROM RED, EEPROM GREEN and EEPROM BLUE are used for the RGB frame lights</p> <p>=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)</p> <p>=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)</p> <p>=7:RAINBOW EFFECT: In this mode the RGB lights show a rainbow effect over time</p> <p>=8:CO2 SENSOR:Show the status of the CO2 sensor</p> <p>=9:VOC SENSOR:Show the status of VOC sensor</p>				
SET FRAME LEDS EEPROM MODE	ASCII WRITE COMMAND	#SET FRAME LEDS EEPROM MODE:<EEPROMMODE><CR> #SFLEDS EEPROMMODE:<EEPROMMODE><CR> Result: #OK<CR>	ASCII	NO
	EEPROMMODE	4:EEPROM MODE		
	TX	#SET FRAME LEDS EEPROM MODE:4<CR>		
	RX	N/A		
<p>This is the current mode for the RGB frame lights stored in the EEPROM:</p> <p>=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</p> <p>=1:ALWAYS OFF: In this mode the RGB frame lights are always off, ignoring the current values in RED, GREEN and BLUE</p> <p>=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</p> <p>=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</p> <p>=4:EEPROM MODE:After restart of the module, the settings from EEPROM RED, EEPROM GREEN and EEPROM BLUE are used for the RGB frame lights</p> <p>=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)</p> <p>=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)</p> <p>=7:RAINBOW EFFECT: In this mode the RGB lights show a rainbow effect over time</p> <p>=8:CO2 SENSOR:Show the status of the CO2 sensor</p> <p>=9:VOC SENSOR:Show the status of VOC sensor</p>				
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:4,0,0x4,0x0<CR>		
		Current FRAME LEDS mode:EEPROM 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 are 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

GET FRAME LEDS CURRENT RGB	ASCII READ COMMAND	#GET FRAME LEDS CURRENT RGB<CR> #GFLEDSRGB<CR> Result: #GFLEDSRGB:<REDDEC>,<GREENDEC>,<BLUEDEC>, <REDHEX>,<GREENHEX>,<BLUEHEX><CR>	ASCII	
	TX	#GET FRAME LEDS CURRENT RGB<CR>		
	RX	#255,GFLEDSRGB:410,0,410,0x19A,0x0,0x19A<CR>		
		Current FRAME LEDS RED:410->10,0%		
		Current FRAME LEDS GREEN:0->0,0%		
		Current FRAME LEDS BLUE:410->10,0%		

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	YES
	RED	100,00		
	GREEN	100,00		
	BLUE	100,00		
	TX	#SET FRAME LEDS RGB:4095,4095,4095<CR>		
	RX	#255,OK<CR>		

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:4095,4095,4095,0xFFFF,0xFFFF,0xFFFF<CR>		
		Defined FRAME LEDS RED:4095->100,0%		
		Defined FRAME LEDS GREEN:4095->100,0%		
		Defined 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 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	YES
	EEPROMRED	10,00		
	EEPROMGREEN	0,00		
	EEPROMBLUE	10,00		
	TX	#SET FRAME LEDS EEPROM RGB:410,0,410<CR>		
	RX	#255,OK<CR>		
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:410,0,410,0x19A,0x0,0x19A<CR>		
		Defined EEPROM FRAME LEDS RED:410->10,0%		
		Defined EEPROM FRAME LEDS GREEN:0->0,0%		
		Defined EEPROM FRAME LEDS BLUE:410->10,0%		
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	32770,0x8002 B:80 02			UINT16 R/O	
This is the group of hardware of the current product						
SW_GROUP	3x00002 4x00002 I:1	3,0x0003 B:00 03			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	13364,0x3434 B:34 34			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL2	3x00006 4x00006 I:5	6471,0x1947 B:19 47			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL3	3x00007 4x00007 I:6	13361,0x3431 B:34 31			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL4	3x00008 4x00008 I:7	13104,0x3330 B:33 30			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL5	3x00009 4x00009 I:8	24832,0x6100 B:61 00			UINT16 R/O	
Serial number of module as 96 bit unsigned integer number						
SERIAL6	3x00010 4x00010 I:9	24415,0x5F5F B:5F 5F			UINT16 R/O	
		SERIAL:343447193134303300615F5F				
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					
CO2 SENSOR					
CO2 CURRENT	3x00012 4x00012 I:11	478,0x01DE B:01 DE		UINT16 R/O	
CO2 sensor:Current value:478ppm					
The current measured CO2 value between 0 and 10000ppm					
CO2 AVERAGE	3x00013 4x00013 I:12	511,0x01FF B:01 FF		UINT16 R/O	
CO2 sensor:Average value:511ppm					
The current average CO2 value between 0 and 10000ppm. Time span for average calculation is 5 minutes.					
CO2 PEOPLE DISSATISFIED CURRENT	3x00014 4x00014 I:13	1546,0x060A B:06 0A		UINT16 R/O	
CO2 sensor:Current people dissatisfied:15,46%					
According to ECA 1992 the percentage of dissatisfied people with the current CO2 concentration between 0 and 10000 for 0.00 to 100.00%					
CO2 PEOPLE DISSATISFIED AVERAGE	3x00015 4x00015 I:14	1632,0x0660 B:06 60		UINT16 R/O	
CO2 sensor:Average value:16,32%					
According to ECA 1992 the percentage of dissatisfied people with the current average CO2 concentration between 0 and 10000 for 0.00 to 100.00%					
CO2 SENSOR ALARM					
CO2 MIN THRESHOLD CURRENT	3x00016 4x00016 I:15	1000,0x03E8 B:03 E8	500	UINT16 R/W	NO
CO2 sensor:Current minimum threshold:1000ppm					
The current configured minimum threshold for alarm calculation of current CO2 measurement between 0 and 10000ppm.					
CO2 MAX THRESHOLD CURRENT	3x00017 4x00017 I:16	1500,0x05DC B:05 DC	800	UINT16 R/W	NO
CO2 sensor:Current maximum threshold:1500ppm					
The current configured maximum threshold for alarm calculation of current CO2 measurement between 0 and 10000ppm.					
CO2 MIN MAX EVENTS CURRENT	3x00018 4x00018 I:17	5,0x0005 B:00 05	1000	UINT16 R/W	NO
CO2 sensor:Current event counter:5 events					
The current configured event counter for alarm calculation of current CO2 measurement between 0 and 65535					

CO2 MIN ALARM CURRENT	3x00019 4x00019 I:18	0,0x0000 B:00 00			UINT16 R/O	
CO2 sensor:Minimum alarm state:NO ALARM						
If the current measured CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						
CO2 MAX ALARM CURRENT	3x00020 4x00020 I:19	0,0x0000 B:00 00			UINT16 R/O	
CO2 sensor:Maximum alarm state:NO ALARM						
If the current measured CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						
CO2 MIN MAX ALARM CURRENT	3x00021 4x00021 I:20	0,0x0000 B:00 00			UINT16 R/O	
CO2 sensor:Minium and maximum alarm state:NO ALARM						
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
CO2 MIN THRESHOLD AVERAGE	3x00022 4x00022 I:21	1000,0x03E8 B:03 E8		1000	UINT16 R/W	NO
CO2 sensor:Current average minimum threshold:1000ppm						
The current configured minimum threshold for alarm calculation of current average CO2 measurement between 0 and 10000ppm.						
CO2 MAX THRESHOLD AVERAGE	3x00023 4x00023 I:22	1500,0x05DC B:05 DC		1000	UINT16 R/W	NO
CO2 sensor:Current maximum threshold:1500ppm						
The current configured maximum threshold for alarm calculation of current average CO2 measurement between 0 and 10000ppm.						
CO2 MIN MAX EVENTS AVERAGE	3x00024 4x00024 I:23	2,0x0002 B:00 02		1000	UINT16 R/W	NO
CO2 sensor:Current event counter:2 events						
The current configured event counter for alarm calculation of current average CO2 measurement between 0 and 65535						
CO2 MIN ALARM AVERAGE	3x00025 4x00025 I:24	0,0x0000 B:00 00			UINT16 R/O	
CO2 sensor:Minimum average alarm state:NO ALARM						
If the current measured average CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						
CO2 MAX ALARM AVERAGE	3x00026 4x00026 I:25	0,0x0000 B:00 00			UINT16 R/O	
CO2 sensor:Maximum average alarm state:NO ALARM						

If the current measured average CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0.
 If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.

CO2 MIN MAX ALARM AVERAGE	3x00027 4x00027 I:26	0,0x0000 B:00 00			UINT16 R/O	
CO2 sensor:Minium and maximum average alarm state:NO ALARM						

This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM:

CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0
 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1
 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2
 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2

LEDS

STATUS LED1-RED LED2-YELLOW	3x00028 4x00028 I:27	0,0x0000 B:00 00			UINT16 R/O	
Current state of LED1:0=OFF						
Current state of LED2:0=OFF						

Current state of all LEDS

Bit 0: =0:LED1 is OFF, =1:LED1 is ON
 Bit 1: =0:LED2 is OFF, =1:LED2 is ON
 Bits 2-15: always 0

STATE LED1 RED	3x00029 4x00029 I:28	0,0x0000 B:00 00		1:ON	UINT16 R/W	YES
Current state of LED1:0=OFF						

Current state of LED

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 (short 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 YELLOW	3x00030 4x00030 I:29	0,0x0000 B:00 00		3:BLINK SLOW	UINT16 R/W	YES
Current state of LED2:0=OFF						

Current state of LED

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 (short 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.

LED TIME1

TIME1 LED1 RED	3x00031 4x00031 I:30	100,0x0064 B:00 64		100	UINT16 R/W	NO
		Current TIME1 of LED1:1000ms ->1s				

Current TIME1 of LED. The time unit is 10ms. This time is used for the LED modes TRIGGER WITH KEY, BLINK SYMMETRICALLY and BLINK ASYMMETRICALLY

TIME1 LED2 YELLOW	3x00032 4x00032 I:31	100,0x0064 B:00 64		100	UINT16 R/W	NO
		Current TIME1 of LED2:1000ms ->1s				

Current TIME1 of LED. 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 RED	3x00033 4x00033 I:32	1000,0x03E8 B:03 E8		1000	UINT16 R/W	NO
		Current TIME2 of LED1:10000ms ->10s				

Current TIME2 of LED. The time unit is 10ms. This time is used for the LED mode BLINK ASYMMETRICALLY

TIME2 LED2 YELLOW	3x00034 4x00034 I:33	1000,0x03E8 B:03 E8		1000	UINT16 R/W	NO
		Current TIME2 of LED2:10000ms ->10s				

Current TIME2 of LED. The time unit is 10ms. This time is used for the LED mode BLINK ASYMMETRICALLY

LED TIMER

TIMER LED1 RED	3x00035 4x00035 I:34	0,0x0000 B:00 00			UINT16 R/O	
		Current TIMER of LED1:0ms ->0s				

Current internal timer of LED. The time unit is 10ms.

TIMER LED2 YELLOW	3x00036 4x00036 I:35	0,0x0000 B:00 00			UINT16 R/O	
		Current TIMER of LED2:0ms ->0s				
Current internal timer of LED. The time unit is 10ms.						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x00037 4x00037 I:36	253,0x00FD B:00 FD			SINT16 R/O	
		TEMPERATURE1:Current value:25,3				
SENSOR1: Current temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x00038 4x00038 I:37	265,0x0109 B:01 09			SINT16 R/O	
		TEMPERATURE2:Current value:26,5				
SENSOR2: Current temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x00039 4x00039 I:38	259,0x0103 B:01 03			SINT16 R/O	
		TEMPERATURE1+2:Current value:25,9				
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	3x00040 4x00040 I:39	264,0x0108 B:01 08			SINT16 R/O	
		TEMPERATURE1:Average value:26,4				
SENSOR1: Average of temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x00041 4x00041 I:40	272,0x0110 B:01 10			SINT16 R/O	
		TEMPERATURE2:Average value:27,2				
SENSOR2: Average of temperature in 1/10°. 265 -> 26,5. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x00042 4x00042 I:41	268,0x010C B:01 0C			SINT16 R/O	
		TEMPERATURE1+2:Average value:26,8				
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	3x00043 4x00043 I:42	322,0x0142 B:01 42			UINT16 R/O	
		REL.HUMIDITY:Current value:32,2%				
SENSOR: Current relative humidity in 1/10 % (425-> 42,5%)						

ABSOLUTE HUMIDITY CURRENT	3x00044 4x00044 I:43	80,0x0050 B:00 50			UINT16 R/O	
ABS.HUMIDITY:Current value:8,0g/m ³						
SENSOR: Current absolute humidity in 1/10 g/m ³ (83-> 8,3g/m ³)						
DEW POINT CURRENT	3x00045 4x00045 I:44	86,0x0056 B:00 56			SINT16 R/O	
DEW POINT:Current value:8,6						
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	3x00046 4x00046 I:45	328,0x0148 B:01 48			UINT16 R/O	
REL.HUMIDITY:Average value:32,8%						
SENSOR: Average of relative humidity in 1/10 % (425-> 42,5%)						
ABSOLUTE HUMIDITY AVERAGE	3x00047 4x00047 I:46	85,0x0055 B:00 55			UINT16 R/O	
ABS-HUMIDITY:Average value:8,5g/m ³						
SENSOR:Average of absolute humidity in 1/10 g/m ³ (83-> 8,3g/m ³)						
DEW POINT AVERAGE	3x00048 4x00048 I:47	94,0x005E B:00 5E			SINT16 R/O	
DEW POINT:Average value:9,4						
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	3x00049 4x00049 I:48	9798,0x2646 B:26 46			UINT16 R/O	
AIR PRESSURE:Current value:979,8hPa						
SENSOR: Current measured air pressure in 1/10 hPa 9865 -> 986,5hPa -> 986500Pa						
ALTITUDE CURRENT	3x00050 4x00050 I:49	295,0x0127 B:01 27			UINT16 R/O	
ALTITUDE:Current value:295m						
SENSOR: Current calculated altitude above sea level in m 385 -> 385m						
AIR PRESSURE AVERAGE	3x00051 4x00051 I:50	9746,0x2612 B:26 12			UINT16 R/O	
AIR PRESSURE:Average value:974,6hPa						
SENSOR: Average of measured air pressure in 1/10 hPa 9865 -> 986,5hPa -> 986500Pa						
ALTITUDE AVERAGE	3x00052 4x00052 I:51	342,0x0156 B:01 56			UINT16 R/O	
ALTITUDE:Average value:342m						

SENSOR: Average of calculated altitude above sea level in m 385 -> 385m

GAS SENSOR

GAS RESISTANCE CURRENT	3x00053 4x00053 I:52	4144,0x1030 B:10 30		UINT16 R/O	
GAS RESISTANCE:Current value:41,440kOhm					

SENSOR: Current measured gas resistance in Ohm*10 1876 -> 18760Ohm -> 18,76kOhm

GAS RESISTANCE AVERAGE	3x00054 4x00054 I:53	3791,0x0ECF B:0E CF		UINT16 R/O	
GAS RESISTANCE:Average value:37,910kOhm					

SENSOR: Average of measured gas resistance in Ohm*10 1876 -> 18760Ohm -> 18,76kOhm

AIR QUALITY

AIR QUALITY HUMIDITY CURRENT	3x00055 4x00055 I:54	849,0x0351 B:03 51		UINT16 R/O	
AIR QUALITY HUMIDTY:Current score:84,9%					

SENSOR: Current calculated air quality score for humidity in 1/10 % 876 -> 87,6%

AIR QUALITY GAS SENSOR CURRENT	3x00056 4x00056 I:55	809,0x0329 B:03 29		UINT16 R/O	
AIR QUALITY GAS SENSOR:Current score:80,9%					

SENSOR: Current calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%

AIR QUALITY TOTAL CURRENT	3x00057 4x00057 I:56	819,0x0333 B:03 33		UINT16 R/O	
AIR QUALITY TOTAL:Current score:81,9%					

SENSOR: Current calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%

AIR QUALITY INDEX CURRENT	3x00058 4x00058 I:57	1,0x0001 B:00 01		UINT16 R/O	
AIR QUALITY TOTAL:Current score:1:MODERATE					

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	3x00059 4x00059 I:58	863,0x035F B:03 5F		UINT16 R/O	
AIR QUALITY HUMIDTY:Average score:86,3%					

SENSOR: Average over time of calculated air quality score for humidity in 1/10 % 876 -> 87,6%

AIR QUALITY GAS SENSOR AVERAGE	3x00060 4x00060 I:59	731,0x02DB B:02 DB		UINT16 R/O	
AIR QUALITY GAS SENSOR:Average score:73,1%					

SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%

AIR QUALITY TOTAL AVERAGE	3x00061 4x00061 I:60	764,0x02FC B:02 FC			UINT16 R/O	
AIR QUALITY TOTAL:Average score:76,4%						
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	3x00062 4x00062 I:61	1,0x0001 B:00 01			UINT16 R/O	
AIR QUALITY TOTAL:Average score:1:MODERATE						
SENSOR Average over time of air quality index (0= Good, 1=Moderate, 2=Unhealthy for Sensitive Groups, 3=Unhealthy, 4=Very Unhealthy, 5=Hazardous)						
CPU						
CPU TEMPERATURE	3x00063 4x00063 I:62	285,0x011D B:01 1D			UINT16 R/O	
Current internal temperature of CPU:28,5°C						
Current internal temperature of CPU in ° Celsius multiplied by 10.						
CPU VOLTAGE	3x00064 4x00064 I:63	3283,0x0CD3 B:0C D3			UINT16 R/O	
Current supply voltage of CPU:3,283°V						
Current internal supply voltage of CPU in Volt multiplied by 1000.						
COUNTERS						
CO2 CURRENT COUNTER	3x00065 4x00065 I:64	131,0x0083 B:00 83			UINT16 R/O	
Current CO2 measurement counter:131						
This register is incremented on every successful measurement of the CO2 sensor value						
CO2 AVERAGE COUNTER	3x00066 4x00066 I:65	1,0x0001 B:00 01			UINT16 R/O	
Current CO2 average calculation counter:1						
This register is incremented on every successful calculation of a new average CO2 value						
CO2 PEOPLE DISSATISFIED CURRENT COUNTER	3x00067 4x00067 I:66	131,0x0083 B:00 83			UINT16 R/O	
Current CO2 people dissatisfied counter:131						
This register is incremented on every successful calculation of a new people dissatisfied factor from the current CO2 value						
CO2 PEOPLE DISSATISFIED AVERAGE COUNTER	3x00068 4x00068 I:67	1,0x0001 B:00 01			UINT16 R/O	
Current average CO2 people dissatisfied counter:1						
This register is incremented on every successful calculation of a new people dissatisfied factor from the current average CO2 value						
CO2 MIN ALARM CURRENT COUNTER	3x00069 4x00069 I:68	0,0x0000 B:00 00			UINT16 R/O	

		Current CO2 minimum alarm counter:0				
This register is incremented on every successful calculation of a new minimum alarm from the current CO2 value						
CO2 MAX ALARM CURRENT COUNTER	3x00070 4x00070 I:69	0,0x0000 B:00 00			UINT16 R/O	
		Current CO2 maximum alarm counter:0				
This register is incremented on every successful calculation of a new maximum alarm from the current CO2 value						
CO2 MIN MAX ALARM CURRENT COUNTER	3x00071 4x00071 I:70	0,0x0000 B:00 00			UINT16 R/O	
		Current CO2 minimum and maximum alarm counter:0				
This register is incremented on every successful calculation of a new minimum and maximum alarm from the current CO2 value						
CO2 MIN ALARM AVERAGE COUNTER	3x00072 4x00072 I:71	0,0x0000 B:00 00			UINT16 R/O	
		Current CO2 minimum alarm counter:0				
This register is incremented on every successful calculation of a new minimum alarm from the current average CO2 value						
CO2 MAX ALARM AVERAGE COUNTER	3x00073 4x00073 I:72	0,0x0000 B:00 00			UINT16 R/O	
		Current CO2 maximum alarm counter:0				
This register is incremented on every successful calculation of a new maximum alarm from the current average CO2 value						
CO2 MIN MAX ALARM AVERAGE COUNTER	3x00074 4x00074 I:73	0,0x0000 B:00 00			UINT16 R/O	
		Current CO2 minimum and maximum alarm counter:0				
This register is incremented on every successful calculation of a new minimum and maximum alarm from the current average CO2 value						
TEMPERATURE 1 CURRENT COUNTER	3x00075 4x00075 I:74	91,0x005B B:00 5B			UINT16 R/O	
		Current counter:91				
SENSOR1: This register is incremented on every successful measurement of the temperature with this sensor						
TEMPERATURE 2 CURRENT COUNTER	3x00076 4x00076 I:75	91,0x005B B:00 5B			UINT16 R/O	
		Current counter:91				
SENSOR2: This register is incremented on every successful measurement of the temperature with this sensor						
TEMPERATURE 1+2 CURRENT COUNTER	3x00077 4x00077 I:76	90,0x005A B:00 5A			UINT16 R/O	
		Current counter:90				
SENSORS 1+2: This register is incremented on every successful calculation of the average value of both sensors						
TEMPERATURE 1 AVERAGE COUNTER	3x00078 4x00078 I:77	1,0x0001 B:00 01			UINT16 R/O	

		Current counter:1				
SENSOR1: This register is incremented on every successful calculation of a new average temperature value for this sensor						
TEMPERATURE 2 AVERAGE COUNTER	3x00079 4x00079 I:78	1,0x0001 B:00 01			UINT16 R/O	
		Current counter:1				
SENSOR2: This register is incremented on every successful calculation of a new average temperature value for this sensor						
TEMPERATURE 1+2 AVERAGE COUNTER	3x00080 4x00080 I:79	90,0x005A B:00 5A			UINT16 R/O	
		Current counter:90				
SENSORS 1+2: This register is incremented on every successful calculation of the average temperature value of both sensors						
REL HUMIDITY CURRENT COUNTER	3x00081 4x00081 I:80	90,0x005A B:00 5A			UINT16 R/O	
		Current counter:90				
SENSOR: This register is incremented on every successful measurement of the relative humidity sensor						
ABS HUMIDITY CURRENT COUNTER	3x00082 4x00082 I:81	90,0x005A B:00 5A			UINT16 R/O	
		Current counter:90				
SENSOR: This register is incremented on every successful calculation of the absolute humidity						
DEW POINT CURRENT COUNTER	3x00083 4x00083 I:82	90,0x005A B:00 5A			UINT16 R/O	
		Current counter:90				
SENSOR: This register is incremented on every successful calculation of the dew point						
REL HUMIDITY AVERAGE COUNTER	3x00084 4x00084 I:83	1,0x0001 B:00 01			UINT16 R/O	
		Current counter:1				
SENSOR: This register is incremented on every successful calculation of the average over time of the relative humidity						
ABS HUMIDITY AVERAGE COUNTER	3x00085 4x00085 I:84	90,0x005A B:00 5A			UINT16 R/O	
		Current counter:90				
SENSOR: This register is incremented on every successful calculation of the average over time of the absolute humidity						
DEW POINT AVERAGE COUNTER	3x00086 4x00086 I:85	90,0x005A B:00 5A			UINT16 R/O	
		Current counter:90				
SENSOR: This register is incremented on every successful calculation of the average over time of the dew point						

AIR PRESSURE CURRENT COUNTER	3x00087 4x00087 I:86	90,0x005A B:00 5A			UINT16 R/O	
Current counter:90						
SENSOR: This register is incremented on every successful measurement of the air pressure sensor						
ALITUDE CURRENT COUNTER	3x00088 4x00088 I:87	90,0x005A B:00 5A			UINT16 R/O	
Current counter:90						
SENSOR: This register is incremented on every successful calculation of the altitude above sea level						
AIR PRESSURE AVERAGE COUNTER	3x00089 4x00089 I:88	1,0x0001 B:00 01			UINT16 R/O	
Current counter:1						
SENSOR: This register is incremented on every successful calculation of the average over time for the air pressure						
ALITUDE AVERAGE COUNTER	3x00090 4x00090 I:89	90,0x005A B:00 5A			UINT16 R/O	
Current counter:90						
SENSOR: This register is incremented on every successful calculation of the average over time for the altitude above sea level						
GAS RESISTANCE CURRENT COUNTER	3x00091 4x00091 I:90	88,0x0058 B:00 58			UINT16 R/O	
Current counter:88						
SENSOR: This register is incremented on every successful measurement of the gas sensor						
GAS RESISTANCE AVERAGE COUNTER	3x00092 4x00092 I:91	1,0x0001 B:00 01			UINT16 R/O	
Current counter:1						
SENSOR: This register is incremented on every successful calculation of the average over time for the gas sensor						
AIR QUALITY PERCENT COUNTER	3x00093 4x00093 I:92	90,0x005A B:00 5A			UINT16 R/O	
Current counter:90						
SENSOR: This register is incremented on every successful calculation of the of the air quality values in percent						
AIR QUALITY INDEX COUNTER	3x00094 4x00094 I:93	90,0x005A B:00 5A			UINT16 R/O	
Current counter:90						
SENSOR: This register is incremented on every successful calculation of the of the air quality index as a score						
AIR QUALITY PERCENT AVERAGE COUNTER	3x00095 4x00095 I:94	90,0x005A B:00 5A			UINT16 R/O	
Current counter:90						
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	3x00096 4x00096 I:95	90,0x005A B:00 5A			UINT16 R/O	
Current counter:90						
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	3x00097 4x00097 I:96	32,0x0020 B:00 20			UINT16 R/O	
Current BME680 status:0000.0000.0010.0000						
SENSOR: This register keeps the status of the BME680 sensors for debugging purposes						
CO2 I2C ERRORS	3x00098 4x00098 I:97	0,0x0000 B:00 00			UINT16 R/O	
Current CO2 I2C error counter:0						
SENSOR: This register is incremented, on every I2C error with the sensor element for diagnostic						
CO2 I2C ERROR REASON	3x00099 4x00099 I:98	0,0x0000 B:00 00			UINT16 R/O	
Current CO2 I2C error reason:0						
SENSOR: This register shows the last internal error reason on I2C for diagnostic						
I2C ERRORS	3x00100 4x00100 I:99	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	3x00101 4x00101 I:100	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	3x00102 4x00102 I:101	0,0x0000 B:00 00		1:YES	UINT16 R/W	YES

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						
CO2 SENSOR						
CO2 CURRENT	3x01003 4x01003 I:1002	440,0x000001B8 B:00 00 01 B8			UINT32 R/O	
CO2 sensor:Current value:440ppm						
The current measured CO2 value between 0 and 10000ppm						
CO2 AVERAGE	3x01005 4x01005 I:1004	489,0x000001E9 B:00 00 01 E9			UINT32 R/O	
CO2 sensor:Average value:489ppm						
The current average CO2 value between 0 and 10000ppm. Time span for average calculation is 5 minutes.						
CO2 PEOPLE DISSATISFIED CURRENT	3x01007 4x01007 I:1006	1445,0x000005A5 B:00 00 05 A5			UINT32 R/O	
CO2 sensor:Current people dissatisfied:14,45%						
According to ECA 1992 the percentage of dissatisfied people with the current CO2 concentration between 0 and 10000 for 0.00 to 100.00%						
CO2 PEOPLE DISSATISFIED AVERAGE	3x01009 4x01009 I:1008	1575,0x00000627 B:00 00 06 27			UINT32 R/O	
CO2 sensor:Average value:15,75%						
According to ECA 1992 the percentage of dissatisfied people with the current average CO2 concentration between 0 and 10000 for 0.00 to 100.00%						
CO2 SENSOR ALARM						
CO2 MIN ALARM CURRENT	3x01011 4x01011 I:1010	0,0x00000000 B:00 00 00 00			UINT32 R/O	
CO2 sensor:Minimum alarm state:NO ALARM						
If the current measured CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						
CO2 MAX ALARM CURRENT	3x01013 4x01013 I:1012	0,0x00000000 B:00 00 00 00			UINT32 R/O	
CO2 sensor:Maximum alarm state:NO ALARM						
If the current measured CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						

CO2 MIN MAX ALARM CURRENT	3x01015 4x01015 I:1014	0,0x00000000 B:00 00 00 00			UINT32 R/O	
CO2 sensor:Minium and maximum alarm state:NO ALARM						
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
CO2 MIN ALARM AVERAGE	3x01017 4x01017 I:1016	0,0x00000000 B:00 00 00 00			UINT32 R/O	
CO2 sensor:Minimum average alarm state:NO ALARM						
If the current measured average CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						
CO2 MAX ALARM AVERAGE	3x01019 4x01019 I:1018	0,0x00000000 B:00 00 00 00			UINT32 R/O	
CO2 sensor:Maximum average alarm state:NO ALARM						
If the current measured average CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						
CO2 MIN MAX ALARM AVERAGE	3x01021 4x01021 I:1020	0,0x00000000 B:00 00 00 00			UINT32 R/O	
CO2 sensor:Minium and maximum average alarm state:NO ALARM						
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x01023 4x01023 I:1022	2528,0x000009E0 B:00 00 09 E0			SINT32 R/O	
TEMPERATURE1:Current value:25,28						
SENSOR1: Current temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x01025 4x01025 I:1024	2597,0x00000A25 B:00 00 0A 25			SINT32 R/O	
TEMPERATURE2:Current value:25,97						
SENSOR2: Current temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x01027 4x01027 I:1026	2561,0x00000A01 B:00 00 0A 01			SINT32 R/O	
TEMPERATURE1+2:Current value:25,61						
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	3x01029 4x01029 I:1028	2585,0x00000A19 B:00 00 0A 19			SINT32 R/O	
TEMPERATURE1:Average value:25,85						
SENSOR1: Average of temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x01031 4x01031 I:1030	2672,0x00000A70 B:00 00 0A 70			SINT32 R/O	
TEMPERATURE2:Average value:26,72						
SENSOR2: Average of temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x01033 4x01033 I:1032	2629,0x00000A45 B:00 00 0A 45			SINT32 R/O	
TEMPERATURE1+2:Average value:26,29						
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	3x01035 4x01035 I:1034	3277,0x00000CCD B:00 00 0C CD			UINT32 R/O	
REL.HUMIDITY:Current value:32,77%						
SENSOR: Current relative humidity in 1/100 % (4253-> 42,53%)						
ABSOLUTE HUMIDITY CURRENT	3x01037 4x01037 I:1036	794,0x0000031A B:00 00 03 1A			UINT32 R/O	
ABS.HUMIDITY:Current value:7,94g/m ³						
SENSOR: Current absolute humidity in 1/100 g/m ³ (832-> 8,32g/m ³)						
DEW POINT CURRENT	3x01039 4x01039 I:1038	834,0x00000342 B:00 00 03 42			SINT32 R/O	
DEW POINT:Current value:8,34						
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	3x01041 4x01041 I:1040	3190,0x00000C76 B:00 00 0C 76			UINT32 R/O	
REL.HUMIDITY:Average value:31,90%						
SENSOR: Average of relative humidity in 1/100 % (4253-> 42,53%)						
ABSOLUTE HUMIDITY AVERAGE	3x01043 4x01043 I:1042	807,0x00000327 B:00 00 03 27			UINT32 R/O	
ABS-HUMIDITY:Average value:8,07g/m ³						
SENSOR:Average of absolute humidity in 1/100 g/m ³ (832-> 8,32g/m ³)						
DEW POINT AVERAGE	3x01045 4x01045 I:1044	861,0x0000035D B:00 00 03 5D			SINT32 R/O	

		DEW POINT:Average value:8,61				
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	3x01047 4x01047 I:1046	979788,0x000EF34C B:00 0E F3 4C			UINT32 R/O	
AIR PRESSURE:Current value:97978,8Pa->979,788hPa						
SENSOR: Current measured air pressure in 1/10 Pa 962016 -> 96201,6Pa -> 962,016hPa						
ALTITUDE CURRENT	3x01049 4x01049 I:1048	2949,0x00000B85 B:00 00 0B 85			UINT32 R/O	
ALTITUDE:Current value:294,9m						
SENSOR: Current calculated altitude above sea level in 1/10m 3851 -> 385,1m						
AIR PRESSURE AVERAGE	3x01051 4x01051 I:1050	979809,0x000EF361 B:00 0E F3 61			UINT32 R/O	
AIR PRESSURE:Average value:97980,9Pa->979,809hPa						
SENSOR: Average of measured air pressure in 1/10 Pa 962016 -> 96201,6Pa -> 962,016hPa						
ALTITUDE AVERAGE	3x01053 4x01053 I:1052	2954,0x00000B8A B:00 00 0B 8A			UINT32 R/O	
ALTITUDE:Average value:295,4m						
SENSOR: Average of calculated altitude above sea level in 1/10m 3851 -> 385,1m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x01055 4x01055 I:1054	42103,0x0000A477 B:00 00 A4 77			UINT32 R/O	
GAS RESISTANCE:Current value:42103,0Ohm -> 42,103kOhm						
SENSOR: Current measured gas resistance in Ohm 18763 -> 18763Ohm -> 18,763kOhm						
GAS RESISTANCE AVERAGE	3x01057 4x01057 I:1056	41191,0x0000A0E7 B:00 00 A0 E7			UINT32 R/O	
GAS RESISTANCE:Average value:41191,0Ohm -> 41,191kOhm						
SENSOR: Average of measured gas resistance in Ohm 18763 -> 18763Ohm -> 18,763kOhm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x01059 4x01059 I:1058	862,0x0000035E B:00 00 03 5E			UINT32 R/O	
AIR QUALITY HUMIDTY:Current score:86,2%						
SENSOR: Current calculated air quality score for humidity in 1/10 % 876 -> 87,6%						
AIR QUALITY GAS SENSOR CURRENT	3x01061 4x01061 I:1060	824,0x00000338 B:00 00 03 38			UINT32 R/O	
AIR QUALITY GAS SENSOR:Current score:82,4%						

SENSOR: Current calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%					
AIR QUALITY TOTAL CURRENT	3x01063 4x01063 I:1062	834,0x00000342 B:00 00 03 42			UINT32 R/O
AIR QUALITY TOTAL:Current score:83,4%					
SENSOR: Current calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%					
AIR QUALITY INDEX CURRENT	3x01065 4x01065 I:1064	1,0x00000001 B:00 00 00 01			UINT32 R/O
AIR QUALITY TOTAL:Current score:1:MODERATE					
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	3x01067 4x01067 I:1066	839,0x00000347 B:00 00 03 47			UINT32 R/O
AIR QUALITY HUMIDTY:Average score:83,9%					
SENSOR: Average over time of calculated air quality score for humidity in 1/10 % 876 -> 87,6%					
AIR QUALITY GAS SENSOR AVERAGE	3x01069 4x01069 I:1068	804,0x00000324 B:00 00 03 24			UINT32 R/O
AIR QUALITY GAS SENSOR:Average score:80,4%					
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%					
AIR QUALITY TOTAL AVERAGE	3x01071 4x01071 I:1070	813,0x0000032D B:00 00 03 2D			UINT32 R/O
AIR QUALITY TOTAL:Average score:81,3%					
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	3x01073 4x01073 I:1072	1,0x00000001 B:00 00 00 01			UINT32 R/O
AIR QUALITY TOTAL:Average score:1:MODERATE					
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)					
CO2 SENSOR					
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					
CO2 SENSOR					
CO2 CURRENT	3x02003 4x02003 I:2002	440,0x000001B8 B:01 B8 00 00			UINT32R R/O

		CO2 sensor:Current value:440ppm				
The current measured CO2 value between 0 and 10000ppm						
CO2 AVERAGE	3x02005 4x02005 I:2004	489,0x000001E9 B:01 E9 00 00			UINT32R R/O	
		CO2 sensor:Average value:489ppm				
The current average CO2 value between 0 and 10000ppm. Time span for average calculation is 5 minutes.						
CO2 PEOPLE DISSATISFIED CURRENT	3x02007 4x02007 I:2006	1445,0x000005A5 B:05 A5 00 00			UINT32R R/O	
		CO2 sensor:Current people dissatisfied:14,45%				
According to ECA 1992 the percentage of dissatisfied people with the current CO2 concentration between 0 and 10000 for 0.00 to 100.00%						
CO2 PEOPLE DISSATISFIED AVERAGE	3x02009 4x02009 I:2008	1575,0x00000627 B:06 27 00 00			UINT32R R/O	
		CO2 sensor:Average value:15,75%				
According to ECA 1992 the percentage of dissatisfied people with the current average CO2 concentration between 0 and 10000 for 0.00 to 100.00%						
CO2 SENSOR ALARM						
CO2 MIN ALARM CURRENT	3x02011 4x02011 I:2010	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		CO2 sensor:Minimum alarm state:NO ALARM				
If the current measured CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						
CO2 MAX ALARM CURRENT	3x02013 4x02013 I:2012	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		CO2 sensor:Maximum alarm state:NO ALARM				
If the current measured CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						
CO2 MIN MAX ALARM CURRENT	3x02015 4x02015 I:2014	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		CO2 sensor:Minium and maximum alarm state:NO ALARM				
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
CO2 MIN ALARM AVERAGE	3x02017 4x02017 I:2016	0,0x00000000 B:00 00 00 00			UINT32R R/O	
		CO2 sensor:Minimum average alarm state:NO ALARM				
If the current measured average CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						

CO2 MAX ALARM AVERAGE	3x02019 4x02019 I:2018	0,0x00000000 B:00 00 00 00			UINT32R R/O	
CO2 sensor:Maximum average alarm state:NO ALARM						
If the current measured average CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						
CO2 MIN MAX ALARM AVERAGE	3x02021 4x02021 I:2020	0,0x00000000 B:00 00 00 00			UINT32R R/O	
CO2 sensor:Minium and maximum average alarm state:NO ALARM						
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x02023 4x02023 I:2022	2528,0x000009E0 B:09 E0 00 00			SINT32R R/O	
TEMPERATURE1:Current value:25,28						
SENSOR1: Current temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x02025 4x02025 I:2024	2596,0x00000A24 B:0A 24 00 00			SINT32R R/O	
TEMPERATURE2:Current value:25,96						
SENSOR2: Current temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x02027 4x02027 I:2026	2562,0x00000A02 B:0A 02 00 00			SINT32R R/O	
TEMPERATURE1+2:Current value:25,62						
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	3x02029 4x02029 I:2028	2585,0x00000A19 B:0A 19 00 00			SINT32R R/O	
TEMPERATURE1:Average value:25,85						
SENSOR1: Average of temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x02031 4x02031 I:2030	2672,0x00000A70 B:0A 70 00 00			SINT32R R/O	
TEMPERATURE2:Average value:26,72						
SENSOR2: Average of temperature in 1/100°. 2654 -> 26,54. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x02033 4x02033 I:2032	2629,0x00000A45 B:0A 45 00 00			SINT32R R/O	
TEMPERATURE1+2:Average value:26,29						

SENSOR2: Average temperature of the middle 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	3x02035 4x02035 I:2034	3277,0x00000CCD B:0C CD 00 00			UINT32R R/O	
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REL.HUMIDITY:Current value:32,77%

SENSOR: Current relative humidity in 1/100 % (4253-> 42,53%)

ABSOLUTE HUMIDITY CURRENT	3x02037 4x02037 I:2036	794,0x0000031A B:03 1A 00 00			UINT32R R/O	
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ABS.HUMIDITY:Current value:7,94g/m³

SENSOR: Current absolute humidity in 1/100 g/m³ (832-> 8,32g/m³)

DEW POINT CURRENT	3x02039 4x02039 I:2038	834,0x00000342 B:03 42 00 00			SINT32R R/O	
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DEW POINT:Current value:8,34

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	3x02041 4x02041 I:2040	3190,0x00000C76 B:0C 76 00 00			UINT32R R/O	
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REL.HUMIDITY:Average value:31,90%

SENSOR: Average of relative humidity in 1/10 % (425-> 42,5%)

ABSOLUTE HUMIDITY AVERAGE	3x02043 4x02043 I:2042	807,0x00000327 B:03 27 00 00			UINT32R R/O	
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REL.HUMIDITY:Average value:8,07%

SENSOR: Average of relative humidity in 1/100 % (4253-> 42,53%)

DEW POINT AVERAGE	3x02045 4x02045 I:2044	861,0x0000035D B:03 5D 00 00			SINT32R R/O	
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DEW POINT:Average value:8,61

SENSOR:Average of absolute humidity in 1/100 g/m³ (832-> 8,32g/m³)

AIR PRESSURE SENSOR

AIR PRESSURE CURRENT	3x02047 4x02047 I:2046	979788,0x000EF34C B:F3 4C 00 0E			UINT32R R/O	
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AIR PRESSURE:Current value:97978,8Pa->979,788hPa

SENSOR: Current measured air pressure in 1/10 Pa 962016 -> 96201,6Pa -> 962,016hPa

ALTITUDE CURRENT	3x02049 4x02049 I:2048	2949,0x00000B85 B:0B 85 00 00			UINT32R R/O	
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ALTITUDE:Current value:294,9m

SENSOR: Current calculated altitude above sea level in 1/10m 3851 -> 385,1m

AIR PRESSURE AVERAGE	3x02051 4x02051 I:2050	979809,0x000EF361 B:F3 61 00 0E			UINT32R R/O	
AIR PRESSURE:Average value:97980,9Pa->979,809hPa						
SENSOR: Average of measured air pressure in 1/10 Pa 962016 -> 96201,6Pa -> 962,016hPa						
ALTITUDE AVERAGE	3x02053 4x02053 I:2052	2954,0x00000B8A B:0B 8A 00 00			UINT32R R/O	
ALTITUDE:Average value:295,4m						
SENSOR: Average of calculated altitude above sea level in 1/10m 3851 -> 385,1m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x02055 4x02055 I:2054	42103,0x0000A477 B:A4 77 00 00			UINT32R R/O	
GAS RESISTANCE:Current value:42103,0Ohm -> 42,103kOhm						
SENSOR: Current measured gas resistance in Ohm 18763 -> 18763Ohm -> 18,763kOhm						
GAS RESISTANCE AVERAGE	3x02057 4x02057 I:2056	41191,0x0000A0E7 B:A0 E7 00 00			UINT32R R/O	
GAS RESISTANCE:Average value:41191,0Ohm -> 41,191kOhm						
SENSOR: Average of measured gas resistance in Ohm 18763 -> 18763Ohm -> 18,763kOhm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x02059 4x02059 I:2058	862,0x0000035E B:03 5E 00 00			UINT32R R/O	
AIR QUALITY HUMIDTY:Current score:86,2%						
SENSOR: Current calculated air quality score for humidity in 1/10 % 876 -> 87,6%						
AIR QUALITY GAS SENSOR CURRENT	3x02061 4x02061 I:2060	824,0x00000338 B:03 38 00 00			UINT32R R/O	
AIR QUALITY GAS SENSOR:Current score:82,4%						
SENSOR: Current calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY TOTAL CURRENT	3x02063 4x02063 I:2062	834,0x00000342 B:03 42 00 00			UINT32R R/O	
AIR QUALITY TOTAL:Current score:83,4%						
SENSOR: Current calculated air quality score in total for humidity and gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY INDEX CURRENT	3x02065 4x02065 I:2064	1,0x00000001 B:00 01 00 00			UINT32R R/O	
AIR QUALITY TOTAL:Current score:1:MODERATE						
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	3x02067 4x02067 I:2066	839,0x00000347 B:03 47 00 00			UINT32R R/O	
AIR QUALITY HUMIDTY:Average score:83,9%						
SENSOR: Average over time of calculated air quality score for humidity in 1/10 % 876 -> 87,6%						
AIR QUALITY GAS SENSOR AVERAGE	3x02069 4x02069 I:2068	804,0x00000324 B:03 24 00 00			UINT32R R/O	
AIR QUALITY GAS SENSOR:Average score:80,4%						
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY TOTAL AVERAGE	3x02071 4x02071 I:2070	813,0x0000032D B:03 2D 00 00			UINT32R R/O	
AIR QUALITY TOTAL:Average score:81,3%						
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	3x02073 4x02073 I:2072	1,0x00000001 B:00 01 00 00			UINT32R R/O	
AIR QUALITY TOTAL:Average score:1:MODERATE						
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						
CO2 SENSOR						
CO2 CURRENT	3x03003 4x03003 I:3002	455.000000,0x43E38000 B:43 E3 80 00			FLOAT32 R/O	
CO2 sensor:Current value:455ppm						
The current measured CO2 value between 0 and 10000ppm						
CO2 AVERAGE	3x03005 4x03005 I:3004	468.000000,0x43EA0000 B:43 EA 00 00			FLOAT32 R/O	
CO2 sensor:Average value:468ppm						
The current average CO2 value between 0 and 10000ppm. Time span for average calculation is 5 minutes.						
CO2 PEOPLE DISSATISFIED CURRENT	3x03007 4x03007 I:3006	14.859127,0x416DBEFC B:41 6D BE FC			FLOAT32 R/O	
CO2 sensor:Current people dissatisfied:14,859%						
According to ECA 1992 the percentage of dissatisfied people with the current CO2 concentration between 0 and 100%						
CO2 PEOPLE DISSATISFIED AVERAGE	3x03009 4x03009 I:3008	15.205165,0x4173485B B:41 73 48 5B			FLOAT32 R/O	
CO2 sensor:Average value:15,205%						
According to ECA 1992 the percentage of dissatisfied people with the current average CO2 concentration between 0 and 100%						
CO2 SENSOR ALARM						
CO2 MIN ALARM CURRENT	3x03011 4x03011 I:3010	0.000000,0x00000000 B:00 00 00 00			FLOAT32 R/O	
CO2 sensor:Minimum alarm state:NO ALARM						
If the current measured CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						
CO2 MAX ALARM CURRENT	3x03013 4x03013 I:3012	0.000000,0x00000000 B:00 00 00 00			FLOAT32 R/O	
CO2 sensor:Maximum alarm state:NO ALARM						
If the current measured CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						

CO2 MIN MAX ALARM CURRENT	3x03015 4x03015 I:3014	0.000000,0x00000000 B:00 00 00 00			FLOAT32 R/O	
CO2 sensor:Minium and maximum alarm state:NO ALARM						
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
CO2 MIN ALARM AVERAGE	3x03017 4x03017 I:3016	0.000000,0x00000000 B:00 00 00 00			FLOAT32 R/O	
CO2 sensor:Minimum average alarm state:NO ALARM						
If the current measured average CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						
CO2 MAX ALARM AVERAGE	3x03019 4x03019 I:3018	0.000000,0x00000000 B:00 00 00 00			FLOAT32 R/O	
CO2 sensor:Maximum average alarm state:NO ALARM						
If the current measured average CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						
CO2 MIN MAX ALARM AVERAGE	3x03021 4x03021 I:3020	0.000000,0x00000000 B:00 00 00 00			FLOAT32 R/O	
CO2 sensor:Minium and maximum average alarm state:NO ALARM						
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x03023 4x03023 I:3022	25.555134,0x41CC70EA B:41 CC 70 EA			FLOAT32 R/O	
TEMPERATURE1:Current value:25,56						
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x03025 4x03025 I:3024	25.863672,0x41CEE8CD B:41 CE E8 CD			FLOAT32 R/O	
TEMPERATURE2:Current value:25,86						
SENSOR2: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x03027 4x03027 I:3026	25.709404,0x41CDACDC B:41 CD AC DC			FLOAT32 R/O	
TEMPERATURE1+2:Current value:25,71						
SENSOR2: Average of current temperature between SENSOR1 and SENSOR 2 in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						

TEMPERATURE 1 AVERAGE	3x03029 4x03029 I:3028	25.312103,0x41CA7F30 B:41 CA 7F 30			FLOAT32 R/O	
TEMPERATURE1:Average value:25,31						
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x03031 4x03031 I:3030	26.037493,0x41D04CC9 B:41 D0 4C C9			FLOAT32 R/O	
TEMPERATURE2:Average value:26,04						
SENSOR2: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x03033 4x03033 I:3032	25.674797,0x41CD65FC B:41 CD 65 FC			FLOAT32 R/O	
TEMPERATURE1+2:Average value:25,67						
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	3x03035 4x03035 I:3034	32.600567,0x420266FB B:42 02 66 FB			FLOAT32 R/O	
REL.HUMIDITY:Current value:32,60%						
SENSOR: Current relative humidity in %						
ABSOLUTE HUMIDITY CURRENT	3x03037 4x03037 I:3036	7.859002,0x40FB7CF1 B:40 FB 7C F1			FLOAT32 R/O	
ABS.HUMIDITY:Current value:7,86g/m ³						
SENSOR: Current absolute humidity in g/m ³						
DEW POINT CURRENT	3x03039 4x03039 I:3038	8.177596,0x4102D76F B:41 02 D7 6F			FLOAT32 R/O	
DEW POINT:Current value:8,18						
SENSOR: Current calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)						
RELATIVE HUMIDITY AVERAGE	3x03041 4x03041 I:3040	32.719479,0x4202E0BF B:42 02 E0 BF			FLOAT32 R/O	
REL.HUMIDITY:Average value:32,72%						
SENSOR: Average of relative humidity in %						
ABSOLUTE HUMIDITY AVERAGE	3x03043 4x03043 I:3042	7.964579,0x40FEDDD5 B:40 FE DD D5			FLOAT32 R/O	
ABS-HUMIDITY:Average value:7,96g/m ³						
SENSOR:Average of absolute humidity in g/m ³						
DEW POINT AVERAGE	3x03045 4x03045 I:3044	8.383054,0x410620FD B:41 06 20 FD			FLOAT32 R/O	

		DEW POINT:Average value:8,38			
SENSOR: Average of calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)					
AIR PRESSURE SENSOR					
AIR PRESSURE CURRENT	3x03047 4x03047 I:3046	979.771301,0x4474F15D B:44 74 F1 5D			FLOAT32 R/O
AIR PRESSURE:Current value:979,77hPa					
SENSOR: Current measured air pressure in hPa					
ALTITUDE CURRENT	3x03049 4x03049 I:3048	294.954895,0x43937A3A B:43 93 7A 3A			FLOAT32 R/O
ALTITUDE:Current value:295,0m					
SENSOR: Current calculated altitude above sea level in m					
AIR PRESSURE AVERAGE	3x03051 4x03051 I:3050	979.790039,0x4474F290 B:44 74 F2 90			FLOAT32 R/O
AIR PRESSURE:Average value:979,79hPa					
SENSOR: Average of measured air pressure in hPa					
ALTITUDE AVERAGE	3x03053 4x03053 I:3052	294.957855,0x43937A9B B:43 93 7A 9B			FLOAT32 R/O
ALTITUDE:Average value:295,0m					
SENSOR: Average of calculated altitude above sea level in m					
GAS SENSOR					
GAS RESISTANCE CURRENT	3x03055 4x03055 I:3054	41442.324219,0x4721E253 B:47 21 E2 53			FLOAT32 R/O
GAS RESISTANCE:Current value:41442,30hm					
SENSOR: Current measured gas resistance in Ohm					
GAS RESISTANCE AVERAGE	3x03057 4x03057 I:3056	42011.218750,0x47241B38 B:47 24 1B 38			FLOAT32 R/O
GAS RESISTANCE:Average value:42011,2Ohm					
SENSOR: Average of measured gas resistance in Ohm					
AIR QUALITY					
AIR QUALITY HUMIDITY CURRENT	3x03059 4x03059 I:3058	85.790970,0x42AB94FA B:42 AB 94 FA			FLOAT32 R/O
AIR QUALITY HUMIDTY:Current score:85,8%					
SENSOR: Current calculated air quality score for humidity in %					
AIR QUALITY GAS SENSOR CURRENT	3x03061 4x03061 I:3060	80.982948,0x42A1F745 B:42 A1 F7 45			FLOAT32 R/O
AIR QUALITY GAS SENSOR:Current score:81,0%					

SENSOR: Current calculated air quality score for gas sensor in %					
AIR QUALITY TOTAL CURRENT	3x03063 4x03063 I:3062	82.184952,0x42A45EB2 B:42 A4 5E B2			FLOAT32 R/O
AIR QUALITY TOTAL:Current score:82,2%					
SENSOR: Current calculated air quality score in total for humidity and gas sensor in %					
AIR QUALITY INDEX CURRENT	3x03065 4x03065 I:3064	1.000000,0x3F800000 B:3F 80 00 00			FLOAT32 R/O
AIR QUALITY TOTAL:Current score:1:MODERATE					
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	3x03067 4x03067 I:3066	86.103889,0x42AC3531 B:42 AC 35 31			FLOAT32 R/O
AIR QUALITY HUMIDTY:Average score:86,1%					
SENSOR: Average over time of calculated air quality score for humidity in %					
AIR QUALITY GAS SENSOR AVERAGE	3x03069 4x03069 I:3068	82.247154,0x42A47E8B B:42 A4 7E 8B			FLOAT32 R/O
AIR QUALITY GAS SENSOR:Average score:82,2%					
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%					
AIR QUALITY TOTAL AVERAGE	3x03071 4x03071 I:3070	83.211342,0x42A66C35 B:42 A6 6C 35			FLOAT32 R/O
AIR QUALITY TOTAL:Average score:83,2%					
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	3x03073 4x03073 I:3072	1.000000,0x3F800000 B:3F 80 00 00			FLOAT32 R/O
AIR QUALITY TOTAL:Average score:1:MODERATE					
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)					
CO2 SENSOR					
TEMPERATURE UNIT	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					
CO2 SENSOR					
CO2 CURRENT	3x04003 4x04003 I:4002	455.000000,0x43E38000 B:80 00 43 E3			FLOAT32R R/O

		CO2 sensor:Current value:455ppm				
The current measured CO2 value between 0 and 10000ppm						
CO2 AVERAGE	3x04005 4x04005 I:4004	468.000000,0x43EA0000 B:00 00 43 EA			FLOAT32R R/O	
		CO2 sensor:Average value:468ppm				
The current average CO2 value between 0 and 10000ppm. Time span for average calculation is 5 minutes.						
CO2 PEOPLE DISSATISFIED CURRENT	3x04007 4x04007 I:4006	14.859127,0x416DBEFC B:BE FC 41 6D			FLOAT32R R/O	
		CO2 sensor:Current people dissatisfied:14,859%				
According to ECA 1992 the percentage of dissatisfied people with the current CO2 concentration between 0 and 100%						
CO2 PEOPLE DISSATISFIED AVERAGE	3x04009 4x04009 I:4008	15.205165,0x4173485B B:48 5B 41 73			FLOAT32R R/O	
		CO2 sensor:Average value:15,205%				
According to ECA 1992 the percentage of dissatisfied people with the current average CO2 concentration between 0 and 100%						
CO2 SENSOR ALARM						
CO2 MIN ALARM CURRENT	3x04011 4x04011 I:4010	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
		CO2 sensor:Minimum alarm state:NO ALARM				
If the current measured CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						
CO2 MAX ALARM CURRENT	3x04013 4x04013 I:4012	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
		CO2 sensor:Maximum alarm state:NO ALARM				
If the current measured CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						
CO2 MIN MAX ALARM CURRENT	3x04015 4x04015 I:4014	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
		CO2 sensor:Minium and maximum alarm state:NO ALARM				
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
CO2 MIN ALARM AVERAGE	3x04017 4x04017 I:4016	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
		CO2 sensor:Minimum average alarm state:NO ALARM				
If the current measured average CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						

CO2 MAX ALARM AVERAGE	3x04019 4x04019 I:4018	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
CO2 sensor:Maximum average alarm state:NO ALARM						
If the current measured average CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						
CO2 MIN MAX ALARM AVERAGE	3x04021 4x04021 I:4020	0.000000,0x00000000 B:00 00 00 00			FLOAT32R R/O	
CO2 sensor:Minium and maximum average alarm state:NO ALARM						
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x04023 4x04023 I:4022	25.555134,0x41CC70EA B:70 EA 41 CC			FLOAT32R R/O	
TEMPERATURE1:Current value:25,56						
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x04025 4x04025 I:4024	25.863672,0x41CEE8CD B:E8 CD 41 CE			FLOAT32R R/O	
TEMPERATURE2:Current value:25,86						
SENSOR2: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x04027 4x04027 I:4026	25.709404,0x41CDACDC B:AC DC 41 CD			FLOAT32R R/O	
TEMPERATURE1+2:Current value:25,71						
SENSOR2: Average of current temperature between SENSOR1 and SENSOR 2 in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1 AVERAGE	3x04029 4x04029 I:4028	25.312103,0x41CA7F30 B:7F 30 41 CA			FLOAT32R R/O	
TEMPERATURE1:Average value:25,31						
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x04031 4x04031 I:4030	26.037493,0x41D04CC9 B:4C C9 41 D0			FLOAT32R R/O	
TEMPERATURE2:Average value:26,04						
SENSOR2: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x04033 4x04033 I:4032	25.674797,0x41CD65FC B:65 FC 41 CD			FLOAT32R R/O	
TEMPERATURE1+2:Average value:25,67						

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	3x04035 4x04035 I:4034	32.600567,0x420266FB B:66 FB 42 02			FLOAT32R R/O
REL.HUMIDITY:Current value:32,60%					
SENSOR: Current relative humidity in %					
ABSOLUTE HUMIDITY CURRENT	3x04037 4x04037 I:4036	7.859002,0x40FB7CF1 B:7C F1 40 FB			FLOAT32R R/O
ABS.HUMIDITY:Current value:7,86g/m ³					
SENSOR: Current absolute humidity in g/m ³					
DEW POINT CURRENT	3x04039 4x04039 I:4038	8.177596,0x4102D76F B:D7 6F 41 02			FLOAT32R R/O
DEW POINT:Current value:8,18					
SENSOR: Current calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)					
RELATIVE HUMIDITY AVERAGE	3x04041 4x04041 I:4040	32.719479,0x4202E0BF B:E0 BF 42 02			FLOAT32R R/O
REL.HUMIDITY:Average value:32,72%					
SENSOR: Average of relative humidity in %					
ABSOLUTE HUMIDITY AVERAGE	3x04043 4x04043 I:4042	7.964579,0x40FEDDD5 B:DD D5 40 FE			FLOAT32R R/O
ABS-HUMIDITY:Average value:7,96g/m ³					
SENSOR:Average of absolute humidity in g/m ³					
DEW POINT AVERAGE	3x04045 4x04045 I:4044	8.383054,0x410620FD B:20 FD 41 06			FLOAT32R R/O
DEW POINT:Average value:8,38					
SENSOR: Average of calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)					
AIR PRESSURE SENSOR					
AIR PRESSURE CURRENT	3x04047 4x04047 I:4046	979.771301,0x4474F15D B:F1 5D 44 74			FLOAT32R R/O
AIR PRESSURE:Current value:979,77hPa					
SENSOR: Current measured air pressure in hPa					
ALTITUDE CURRENT	3x04049 4x04049 I:4048	294.954895,0x43937A3A B:7A 3A 43 93			FLOAT32R R/O
ALTITUDE:Current value:295,0m					
SENSOR: Current calculated altitude above sea level in m					

AIR PRESSURE AVERAGE	3x04051 4x04051 I:4050	979.790039,0x4474F290 B:F2 90 44 74			FLOAT32R R/O	
		AIR PRESSURE:Average value:979,79hPa				
SENSOR: Average of measured air pressure in hPa						
ALTITUDE AVERAGE	3x04053 4x04053 I:4052	294.957855,0x43937A9B B:7A 9B 43 93			FLOAT32R R/O	
		ALTITUDE:Average value:295,0m				
SENSOR: Average of calculated altitude above sea level in m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x04055 4x04055 I:4054	41442.324219,0x4721E253 B:E2 53 47 21			FLOAT32R R/O	
		GAS RESISTANCE:Current value:41442,30hm				
SENSOR: Current measured gas resistance in Ohm						
GAS RESISTANCE AVERAGE	3x04057 4x04057 I:4056	42011.218750,0x47241B38 B:1B 38 47 24			FLOAT32R R/O	
		GAS RESISTANCE:Average value:42011,20hm				
SENSOR: Average of measured gas resistance in Ohm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x04059 4x04059 I:4058	85.790970,0x42AB94FA B:94 FA 42 AB			FLOAT32R R/O	
		AIR QUALITY HUMIDTY:Current score:85,8%				
SENSOR: Current calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR CURRENT	3x04061 4x04061 I:4060	80.982948,0x42A1F745 B:F7 45 42 A1			FLOAT32R R/O	
		AIR QUALITY GAS SENSOR:Current score:81,0%				
SENSOR: Current calculated air quality score for gas sensor in %						
AIR QUALITY TOTAL CURRENT	3x04063 4x04063 I:4062	82.184952,0x42A45EB2 B:5E B2 42 A4			FLOAT32R R/O	
		AIR QUALITY TOTAL:Current score:82,2%				
SENSOR: Current calculated air quality score in total for humidity and gas sensor in %						
AIR QUALITY INDEX CURRENT	3x04065 4x04065 I:4064	1.000000,0x3F800000 B:00 00 3F 80			FLOAT32R R/O	
		AIR QUALITY TOTAL:Current score:1:MODERATE				
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	3x04067 4x04067 I:4066	86.103889,0x42AC3531 B:35 31 42 AC			FLOAT32R R/O	
AIR QUALITY HUMIDTY:Average score:86,1%						
SENSOR: Average over time of calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR AVERAGE	3x04069 4x04069 I:4068	82.247154,0x42A47E8B B:7E 8B 42 A4			FLOAT32R R/O	
AIR QUALITY GAS SENSOR:Average score:82,2%						
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY TOTAL AVERAGE	3x04071 4x04071 I:4070	83.211342,0x42A66C35 B:6C 35 42 A6			FLOAT32R R/O	
AIR QUALITY TOTAL:Average score:83,2%						
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	3x04073 4x04073 I:4072	1.000000,0x3F800000 B:00 00 3F 80			FLOAT32R R/O	
AIR QUALITY TOTAL:Average score:1:MODERATE						
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	3x05001 4x05001 I:5000	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
This is the current unit for the temperature values =0: °CELSIUS =1: °KELVIN =2: °FARENHEIT					°C	
CO2 SENSOR						
CO2 CURRENT	3x05005 4x05005 I:5004	463.000000,0x407CF00000000000 B:40 7C F0 00 00 00 00 00			DOUBLE64 R/O	
CO2 sensor:Current value:463ppm						
The current measured CO2 value between 0 and 10000ppm						
CO2 AVERAGE	3x05009 4x05009 I:5008	477.000000,0x407DD00000000000 B:40 7D D0 00 00 00 00 00			DOUBLE64 R/O	
CO2 sensor:Average value:477ppm						
The current average CO2 value between 0 and 10000ppm. Time span for average calculation is 5 minutes.						
CO2 PEOPLE DISSATISFIED CURRENT	3x05013 4x05013 I:5012	15.072573,0x402E25283B003787 B:40 2E 25 28 3B 00 37 87			DOUBLE64 R/O	
CO2 sensor:Current people dissatisfied:15,073%						
According to ECA 1992 the percentage of dissatisfied people with the current CO2 concentration between 0 and 100%						
CO2 PEOPLE DISSATISFIED AVERAGE	3x05017 4x05017 I:5016	15.442285,0x402EE27320FAAD4C B:40 2E E2 73 20 FA AD 4C			DOUBLE64 R/O	
CO2 sensor:Average value:15,442%						
According to ECA 1992 the percentage of dissatisfied people with the current average CO2 concentration between 0 and 100%						
CO2 SENSOR ALARM						
CO2 MIN ALARM CURRENT	3x05021 4x05021 I:5020	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
CO2 sensor:Minimum alarm state:NO ALARM						
If the current measured CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						
CO2 MAX ALARM CURRENT	3x05025 4x05025 I:5024	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
CO2 sensor:Maximum alarm state:NO ALARM						
If the current measured CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						

CO2 MIN MAX ALARM CURRENT	3x05029 4x05029 I:5028	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
CO2 sensor:Minium and maximum alarm state:NO ALARM						
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
CO2 MIN ALARM AVERAGE	3x05033 4x05033 I:5032	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
CO2 sensor:Minimum average alarm state:NO ALARM						
If the current measured average CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.						
CO2 MAX ALARM AVERAGE	3x05037 4x05037 I:5036	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
CO2 sensor:Maximum average alarm state:NO ALARM						
If the current measured average CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						
CO2 MIN MAX ALARM AVERAGE	3x05041 4x05041 I:5040	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64 R/O	
CO2 sensor:Minium and maximum average alarm state:NO ALARM						
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x05045 4x05045 I:5044	25.480059,0x40397AE51EB851EA B:40 39 7A E5 1E B8 51 EA			DOUBLE64 R/O	
TEMPERATURE1:Current value:25,48						
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x05049 4x05049 I:5048	25.911719,0x4039E96666666666 B:40 39 E9 66 66 66 66 66			DOUBLE64 R/O	
TEMPERATURE2:Current value:25,91						
SENSOR2: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x05053 4x05053 I:5052	25.695889,0x4039B225C28F5C28 B:40 39 B2 25 C2 8F 5C 28			DOUBLE64 R/O	
TEMPERATURE1+2:Current value:25,70						
SENSOR2: Average of current temperature between SENSOR1 and SENSOR 2 in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						

TEMPERATURE 1 AVERAGE	3x05057 4x05057 I:5056	25.598249,0x40399926DB8BAC72 B:40 39 99 26 DB 8B AC 72			DOUBLE64 R/O	
TEMPERATURE1:Average value:25,60						
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x05061 4x05061 I:5060	25.950422,0x4039F34ED9168729 B:40 39 F3 4E D9 16 87 29			DOUBLE64 R/O	
TEMPERATURE2:Average value:25,95						
SENSOR2: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x05065 4x05065 I:5064	25.774336,0x4039C63ADA5119CE B:40 39 C6 3A DA 51 19 CE			DOUBLE64 R/O	
TEMPERATURE1+2:Average value:25,77						
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	3x05069 4x05069 I:5068	32.814964,0x40406850B987B3E7 B:40 40 68 50 B9 87 B3 E7			DOUBLE64 R/O	
REL.HUMIDITY:Current value:32,81%						
SENSOR: Current relative humidity in %						
ABSOLUTE HUMIDITY CURRENT	3x05073 4x05073 I:5072	7.931943,0x401FBA4F548AA104 B:40 1F BA 4F 54 8A A1 04			DOUBLE64 R/O	
ABS.HUMIDITY:Current value:7,93g/m ³						
SENSOR: Current absolute humidity in g/m ³						
DEW POINT CURRENT	3x05077 4x05077 I:5076	8.316233,0x4020A1E947F6B480 B:40 20 A1 E9 47 F6 B4 80			DOUBLE64 R/O	
DEW POINT:Current value:8,32						
SENSOR: Current calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)						
RELATIVE HUMIDITY AVERAGE	3x05081 4x05081 I:5080	32.510104,0x4040414B19D7A0A5 B:40 40 41 4B 19 D7 A0 A5			DOUBLE64 R/O	
REL.HUMIDITY:Average value:32,51%						
SENSOR: Average of relative humidity in %						
ABSOLUTE HUMIDITY AVERAGE	3x05085 4x05085 I:5084	7.875253,0x401F80425F2018D7 B:40 1F 80 42 5F 20 18 D7			DOUBLE64 R/O	
ABS-HUMIDITY:Average value:7,88g/m ³						
SENSOR:Average of absolute humidity in g/m ³						
DEW POINT AVERAGE	3x05089 4x05089 I:5088	8.212330,0x40206CB68D3F4AE6 B:40 20 6C B6 8D 3F 4A E6			DOUBLE64 R/O	

		DEW POINT:Average value:8,21			
SENSOR: Average of calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)					
AIR PRESSURE SENSOR					
AIR PRESSURE CURRENT	3x05093 4x05093 I:5092	979.699240,0x408E9D980B4D5DFC B:40 8E 9D 98 0B 4D 5D FC			DOUBLE64 R/O
AIR PRESSURE:Current value:979,70hPa					
SENSOR: Current measured air pressure in hPa					
ALTITUDE CURRENT	3x05097 4x05097 I:5096	295.650267,0x40727A677E026616 B:40 72 7A 67 7E 02 66 16			DOUBLE64 R/O
ALTITUDE:Current value:295,7m					
SENSOR: Current calculated altitude above sea level in m					
AIR PRESSURE AVERAGE	3x05101 4x05101 I:5100	979.747955,0x408E9DFBCFA0BF6A B:40 8E 9D FB CF A0 BF 6A			DOUBLE64 R/O
AIR PRESSURE:Average value:979,75hPa					
SENSOR: Average of measured air pressure in hPa					
ALTITUDE AVERAGE	3x05105 4x05105 I:5104	295.250504,0x40727402104BD703 B:40 72 74 02 10 4B D7 03			DOUBLE64 R/O
ALTITUDE:Average value:295,3m					
SENSOR: Average of calculated altitude above sea level in m					
GAS SENSOR					
GAS RESISTANCE CURRENT	3x05109 4x05109 I:5108	42570.292065,0x40E4C9495897AF23 B:40 E4 C9 49 58 97 AF 23			DOUBLE64 R/O
GAS RESISTANCE:Current value:42570,30hm					
SENSOR: Current measured gas resistance in Ohm					
GAS RESISTANCE AVERAGE	3x05113 4x05113 I:5112	42025.768265,0x40E4853895A1611F B:40 E4 85 38 95 A1 61 1F			DOUBLE64 R/O
GAS RESISTANCE:Average value:42025,80hm					
SENSOR: Average of measured gas resistance in Ohm					
AIR QUALITY					
AIR QUALITY HUMIDITY CURRENT	3x05117 4x05117 I:5116	86.355167,0x405596BB0F10DF3E B:40 55 96 BB 0F 10 DF 3E			DOUBLE64 R/O
AIR QUALITY HUMIDTY:Current score:86,4%					
SENSOR: Current calculated air quality score for humidity in %					
AIR QUALITY GAS SENSOR CURRENT	3x05121 4x05121 I:5120	83.489538,0x4054DF5496DC5E97 B:40 54 DF 54 96 DC 5E 97			DOUBLE64 R/O
AIR QUALITY GAS SENSOR:Current score:83,5%					

SENSOR: Current calculated air quality score for gas sensor in %					
AIR QUALITY TOTAL CURRENT	3x05125 4x05125 I:5124	84.205945,0x40550D2E34E97EC0 B:40 55 0D 2E 34 E9 7E C0			DOUBLE64 R/O
AIR QUALITY TOTAL:Current score:84,2%					
SENSOR: Current calculated air quality score in total for humidity and gas sensor in %					
AIR QUALITY INDEX CURRENT	3x05129 4x05129 I:5128	1.000000,0x3FF0000000000000 B:3F F0 00 00 00 00 00 00			DOUBLE64 R/O
AIR QUALITY TOTAL:Current score:1:MODERATE					
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	3x05133 4x05133 I:5132	85.552906,0x40556362D12931B0 B:40 55 63 62 D1 29 31 B0			DOUBLE64 R/O
AIR QUALITY HUMIDTY:Average score:85,6%					
SENSOR: Average over time of calculated air quality score for humidity in %					
AIR QUALITY GAS SENSOR AVERAGE	3x05137 4x05137 I:5136	82.279485,0x405491E315327E6E B:40 54 91 E3 15 32 7E 6E			DOUBLE64 R/O
AIR QUALITY GAS SENSOR:Average score:82,3%					
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%					
AIR QUALITY TOTAL AVERAGE	3x05141 4x05141 I:5140	83.097840,0x4054C64304302B3E B:40 54 C6 43 04 30 2B 3E			DOUBLE64 R/O
AIR QUALITY TOTAL:Average score:83,1%					
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	3x05145 4x05145 I:5144	1.000000,0x3FF0000000000000 B:3F F0 00 00 00 00 00 00			DOUBLE64 R/O
AIR QUALITY TOTAL:Average score:1:MODERATE					
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)					
CO2 SENSOR					
TEMPERATURE UNIT	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					
CO2 SENSOR					
CO2 CURRENT	3x06005 4x06005 I:6004	463.000000,0x407CF00000000000 B:00 00 00 00 F0 00 40 7C			DOUBLE64R R/O
CO2 sensor:Current value:463ppm					

The current measured CO2 value between 0 and 10000ppm					
CO2 AVERAGE	3x06009 4x06009 I:6008	477.000000,0x407DD00000000000 B:00 00 00 00 D0 00 40 7D			DOUBLE64R R/O
CO2 sensor:Average value:477ppm					
The current average CO2 value between 0 and 10000ppm. Time span for average calculation is 5 minutes.					
CO2 PEOPLE DISSATISFIED CURRENT	3x06013 4x06013 I:6012	15.072573,0x402E25283B003787 B:37 87 3B 00 25 28 40 2E			DOUBLE64R R/O
CO2 sensor:Current people dissatisfied:15,073%					
According to ECA 1992 the percentage of dissatisfied people with the current CO2 concentration between 0 and 100%					
CO2 PEOPLE DISSATISFIED AVERAGE	3x06017 4x06017 I:6016	15.442285,0x402EE27320FAAD4C B:AD 4C 20 FA E2 73 40 2E			DOUBLE64R R/O
CO2 sensor:Average value:15,442%					
According to ECA 1992 the percentage of dissatisfied people with the current average CO2 concentration between 0 and 100%					
CO2 SENSOR ALARM					
CO2 MIN ALARM CURRENT	3x06021 4x06021 I:6020	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O
CO2 sensor:Minimum alarm state:NO ALARM					
If the current measured CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.					
CO2 MAX ALARM CURRENT	3x06025 4x06025 I:6024	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O
CO2 sensor:Maximum alarm state:NO ALARM					
If the current measured CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.					
CO2 MIN MAX ALARM CURRENT	3x06029 4x06029 I:6028	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O
CO2 sensor:Minium and maximum alarm state:NO ALARM					
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2					
CO2 MIN ALARM AVERAGE	3x06033 4x06033 I:6032	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O
CO2 sensor:Minimum average alarm state:NO ALARM					
If the current measured average CO2 sensor value is below the threshold value CO2 MIN THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MIN THRESHOLD this alarm is 1.					

CO2 MAX ALARM AVERAGE	3x06037 4x06037 I:6036	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O	
CO2 sensor:Maximum average alarm state:NO ALARM						
If the current measured average CO2 sensor value is below the threshold value CO2 MAX THRESHOLD this alarm is 0. If the current measured average CO2 sensor values is for CO2 MIN MAX EVENTS cycles above the threshold value CO2 MAX THRESHOLD this alarm is 1.						
CO2 MIN MAX ALARM AVERAGE	3x06041 4x06041 I:6040	0.000000,0x00000000 B:00 00 00 00 00 00 00 00			DOUBLE64R R/O	
CO2 sensor:Minium and maximum average alarm state:NO ALARM						
This alarm state is a combination of the two alarm states CO2 MIN ALARM and CO2 MAX ALARM: CO2 MIN ALARM==0, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=0 CO2 MIN ALARM==1, CO2 MAX ALARM==0 -> CO2 MIN MAX ALARM=1 CO2 MIN ALARM==0, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2 CO2 MIN ALARM==1, CO2 MAX ALARM==1 -> CO2 MIN MAX ALARM=2						
TEMPERATURE SENSORS						
TEMPERATURE 1 CURRENT	3x06045 4x06045 I:6044	25.480059,0x40397AE51EB851EA B:51 EA 1E B8 7A E5 40 39			DOUBLE64R R/O	
TEMPERATURE1:Current value:25,48°C						
SENSOR1: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 CURRENT	3x06049 4x06049 I:6048	25.911719,0x4039E96666666666 B:66 66 66 66 E9 66 40 39			DOUBLE64R R/O	
TEMPERATURE2:Current value:25,91°C						
SENSOR2: Current temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 CURRENT	3x06053 4x06053 I:6052	25.695889,0x4039B225C28F5C28 B:5C 28 C2 8F B2 25 40 39			DOUBLE64R R/O	
TEMPERATURE1+2:Current value:25,70°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	3x06057 4x06057 I:6056	25.598249,0x40399926DB8BAC72 B:AC 72 DB 8B 99 26 40 39			DOUBLE64R R/O	
TEMPERATURE1:Average value:25,60°C						
SENSOR1: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 2 AVERAGE	3x06061 4x06061 I:6060	25.950422,0x4039F34ED9168729 B:87 29 D9 16 F3 4E 40 39			DOUBLE64R R/O	
TEMPERATURE2:Average value:25,95°C						
SENSOR2: Average of temperature in °. Unit is defined by TEMPERATURE UNIT (°C, °F or °K)						
TEMPERATURE 1+2 AVERAGE	3x06065 4x06065 I:6064	25.774336,0x4039C63ADA5119CE B:19 CE DA 51 C6 3A 40 39			DOUBLE64R R/O	
TEMPERATURE1+2:Average value:25,77°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	3x06069 4x06069 I:6068	32.814964,0x40406850B987B3E7 B:B3 E7 B9 87 68 50 40 40			DOUBLE64R R/O
REL.HUMIDITY:Current value:32,81%					
SENSOR: Current relative humidity in %					
ABSOLUTE HUMIDITY CURRENT	3x06073 4x06073 I:6072	7.931943,0x401FBA4F548AA104 B:A1 04 54 8A BA 4F 40 1F			DOUBLE64R R/O
ABS.HUMIDITY:Current value:7,93g/m ³					
SENSOR: Current absolute humidity in g/m ³					
DEW POINT CURRENT	3x06077 4x06077 I:6076	8.316233,0x4020A1E947F6B480 B:B4 80 47 F6 A1 E9 40 20			DOUBLE64R R/O
DEW POINT:Current value:8,32°C					
SENSOR: Current calculated dew point temperature in °. Unit is defined by T_UNIT (°C, °F or °K)					
RELATIVE HUMIDITY AVERAGE	3x06081 4x06081 I:6080	32.510104,0x4040414B19D7A0A5 B:A0 A5 19 D7 41 4B 40 40			DOUBLE64R R/O
REL.HUMIDITY:Average value:32,51%					
SENSOR: Average of relative humidity in %					
ABSOLUTE HUMIDITY AVERAGE	3x06085 4x06085 I:6084	7.875253,0x401F80425F2018D7 B:18 D7 5F 20 80 42 40 1F			DOUBLE64R R/O
ABS-HUMIDITY:Average value:7,88g/m ³					
SENSOR:Average of absolute humidity in g/m ³					
DEW POINT AVERAGE	3x06089 4x06089 I:6088	8.212330,0x40206CB68D3F4AE6 B:4A E6 8D 3F 6C B6 40 20			DOUBLE64R R/O
DEW POINT:Average value:8,21°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	3x06093 4x06093 I:6092	979.699240,0x408E9D980B4D5DFC B:5D FC 0B 4D 9D 98 40 8E			DOUBLE64R R/O
AIR PRESSURE:Current value:979,70hPa					
SENSOR: Current measured air pressure in hPa					
ALTITUDE CURRENT	3x06097 4x06097 I:6096	295.650267,0x40727A677E026616 B:66 16 7E 02 7A 67 40 72			DOUBLE64R R/O
ALTITUDE:Current value:295,7m					
SENSOR: Current calculated altitude above sea level in m					

AIR PRESSURE AVERAGE	3x06101 4x06101 I:6100	979.747955,0x408E9DFBCFA0BF6A B:BF 6A CF A0 9D FB 40 8E			DOUBLE64R R/O	
		AIR PRESSURE:Average value:979,75hPa				
SENSOR: Average of measured air pressure in hPa						
ALTITUDE AVERAGE	3x06105 4x06105 I:6104	295.250504,0x40727402104BD703 B:D7 03 10 4B 74 02 40 72			DOUBLE64R R/O	
		ALTITUDE:Average value:295,3m				
SENSOR: Average of calculated altitude above sea level in m						
GAS SENSOR						
GAS RESISTANCE CURRENT	3x06109 4x06109 I:6108	42570.292065,0x40E4C9495897AF23 B:AF 23 58 97 C9 49 40 E4			DOUBLE64R R/O	
		GAS RESISTANCE:Current value:42570,3Ohm				
SENSOR: Current measured gas resistance in Ohm						
GAS RESISTANCE AVERAGE	3x06113 4x06113 I:6112	42025.768265,0x40E4853895A1611F B:61 1F 95 A1 85 38 40 E4			DOUBLE64R R/O	
		GAS RESISTANCE:Average value:42025,8Ohm				
SENSOR: Average of measured gas resistance in Ohm						
AIR QUALITY						
AIR QUALITY HUMIDITY CURRENT	3x06117 4x06117 I:6116	86.355167,0x405596BB0F10DF3E B:DF 3E 0F 10 96 BB 40 55			DOUBLE64R R/O	
		AIR QUALITY HUMIDTY:Current score:86,4%				
SENSOR: Current calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR CURRENT	3x06121 4x06121 I:6120	83.489538,0x4054DF5496DC5E97 B:5E 97 96 DC DF 54 40 54			DOUBLE64R R/O	
		AIR QUALITY GAS SENSOR:Current score:83,5%				
SENSOR: Current calculated air quality score for gas sensor in %						
AIR QUALITY TOTAL CURRENT	3x06125 4x06125 I:6124	84.205945,0x40550D2E34E97EC0 B:7E C0 34 E9 0D 2E 40 55			DOUBLE64R R/O	
		AIR QUALITY TOTAL:Current score:84,2%				
SENSOR: Current calculated air quality score in total for humidity and gas sensor in %						
AIR QUALITY INDEX CURRENT	3x06129 4x06129 I:6128	1.000000,0x3FF0000000000000 B:00 00 00 00 00 00 3F F0			DOUBLE64R R/O	
		AIR QUALITY TOTAL:Current score:1:MODERATE				
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	3x06133 4x06133 I:6132	85.552906,0x40556362D12931B0 B:31 B0 D1 29 63 62 40 55			DOUBLE64R R/O	
AIR QUALITY HUMIDTY:Average score:85,6%						
SENSOR: Average over time of calculated air quality score for humidity in %						
AIR QUALITY GAS SENSOR AVERAGE	3x06137 4x06137 I:6136	82.279485,0x405491E315327E6E B:7E 6E 15 32 91 E3 40 54			DOUBLE64R R/O	
AIR QUALITY GAS SENSOR:Average score:82,3%						
SENSOR: Average over time of calculated air quality score for gas sensor in 1/10 % 876 -> 87,6%						
AIR QUALITY TOTAL AVERAGE	3x06141 4x06141 I:6140	83.097840,0x4054C64304302B3E B:2B 3E 04 30 C6 43 40 54			DOUBLE64R R/O	
AIR QUALITY TOTAL:Average score:83,1%						
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	3x06145 4x06145 I:6144	1.000000,0x3FF0000000000000 B:00 00 00 00 00 00 3F F0			DOUBLE64R R/O	
AIR QUALITY TOTAL:Average score:1:MODERATE						
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)						