

CONVERTER STATUS	3x05051 4x05051 I:5050	0,0x0000 B:00 00			UINT16 R/O	
DIP SWITCH	3x10010 4x10010 I:10009	15,0x000F B:00 0F			UINT16 R/O	
Returns the current setting of the Dip switches. For ULTRA SLIM IOs 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	1x06001 2x06001 I:6000	0,0x00 B:00		N/A:NO CHANGE	BIT 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).						
RESET	3x06001 4x06001 I:6000	0,0x0000 B:00 00		N/A:NO CHANGE	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).						
PRODUCT DATA						
HW_GROUP	3x65201 4x65201 I:65200	8336,0x2090 B:20 90			UINT16 R/O	
This is the group of hardware of the current product						
SW_GROUP	3x65202 4x65202 I:65201	4096,0x1000 B:10 00			UINT16 R/O	
This is the group of software of the current product						
SW_VERSION	3x65203 4x65203 I:65202	4352,0x1100 B:11 00			UINT16 R/O	
		SW VERSION:1.1.0				
This is the current software version of the firmware						
SW_AUTHOR	3x65204 4x65204 I:65203	18771,0x4953 B:49 53			UINT16 R/O	
This is the current software author of the firmware						
MODBUS SETTINGS						
UNIT_ID	3x65222 4x65222 I:65221	65535,0xFFFF B:FF FF		N/A:NO CHANGE	UINT16 R/W	NO
		UNIT ID:255				

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 writes 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 be set to OFF to activate this unit ID, otherwise the unit ID is 255.

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

BAUD_RATE	3x65223 4x65223 I:65222	4294967295,0xFFFFFFFF B:FF FF FF FF	38400	38400	UINT32 R/W	NO
		57600Bd		ENTER BAUD RATE		

This is the current configured baud rate for DIP switch mode DIP1=ON, DIP2=ON (default is 57600bd)

DIP switch settings:
 DIP1-DIP2
 OFF-OFF:9600bd
 ON-OFF:19200bd
 OFF-ON:38400bd
 ON-ON:default 57600bd or the defined baud rate

Valid baud rates are:

300bd
 600bd
 1200bd
 2400bd
 4800bd
 9600bd
 19200bd
 38400bd
 all other:57600bd

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

PARITY	3x65225 4x65225 I:65224	65535,0xFFFF B:FF FF		N/A:NO CHANGE	UINT16 R/W	NO
		NO PARITY		SELECT PARITY		

If the register is read out, the currently set parity of the serial interface is returned.

Writing a value to this register will change the new parity in FLASH. This will only take effect after a restart of the module. This can be triggered by writing to the RESET SYSTEM register.

Parity values are

0: no parity
 1: even parity
 2: odd parity

STOP BITS	3x65226 4x65226 I:65225	65535,0xFFFF B:FF FF		N/A:NO CHANGE	UINT16 R/W	NO
		ONE STOPBIT		SELECT STOPBITS		

If the register is read out, the currently set number of stop bits of the serial interface is returned.

Writing a value to this register will change the new number of stop bits in the FLASH. This will only take effect after a restart of the module. This can be triggered by writing to the RESET SYSTEM register.

Values for stop bits are

1: one stop bit
 2: two stop bits

GET VERSION	ASCII READ COMMAND	#VERSION<CR> #VER<CR> Result: #VERSION:<VersionHi>,<VersionMed>,<VersionLo><CR>	ASCII	
	TX	#VERSION<CR>		
	RX	#255,VERSION:1.1.0<CR>		
		Current SW version:1.1.0		
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-1S0-SIO<CR>		
		Current module type:RESI-1S0-SIO		
Returns the current module type				
GET OWNER	ASCII READ COMMAND	#OWNER<CR> #OWN<CR> Result: #OWNER:<Owner><CR>	ASCII	
	TX	#OWNER<CR>		
	RX	#255,OWNER:RESI<CR>		
		Current owner:RESI		
Returns the current owner of the module				
GET CREATOR	ASCII READ COMMAND	#CREATOR<CR> #CRE<CR> Result: #CREATOR:<Creator><CR>	ASCII	
	TX	#CREATOR<CR>		
	RX	#255,CREATOR:DI HC SIGL,MSC<CR>		
		Current creator:DI HC SIGL,MSC		
Returns the current creator of the module				
GET COPYRIGHT	ASCII READ COMMAND	#COPYRIGHT<CR> #COPY<CR> Result: #COPYRIGHT:<Copyright><CR>	ASCII	
	TX	#COPYRIGHT<CR>		
	RX	#255,COPYRIGHT:2016,2020 BY RESI AND DI HC SIGL,MSC WWW.RESI.CC<CR>		
		Current copyright:2016,2020 BY RESI AND DI HC SIGL,MSC WWW.RESI.CC		
Returns the current copyright of the module				

GET DIP SWITCH	ASCII READ COMMAND	#GET DIP<CR> #GDIP<CR> Result: #GDIP:<DIPSwitchDec>,<DIPSwitchHex><CR>	ASCII	
	TX	#GET DIP<CR>		
	RX	#255,GDIP:15,0xF<CR>		
		Current DIP SWITCH settings:1111		
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)				
ASCII COMMANDS				
SET MODBUS ADDRESS	ASCII WRITE COMMAND	#SET MODBUS ADDRESS:<UNITID><CR> #SMBADR:<UNITID><CR> Result: #OK<CR>	ASCII	NO
	UNITID	1		
	TX	#SET MODBUS ADDRESS:1<CR>		
	RX	N/A		
Redefines the unit ID of the module. This change will affect the MODBUS/RTU communication immediately. As a Unit IO you can use the values 0dec to 255dec. HINT: The new settings are activated after a system reboot or power off on cycle!				
SET MODBUS BAUDRATE	ASCII WRITE COMMAND	#SET MODBUS BAUDRATE:<BAUD><CR> #SMBBAUD:<BAUD><CR> Result: #OK<CR>	ASCII	NO
	BAUD	57600:57600BD		
	TX	#SET MODBUS BAUDRATE:57600<CR>		
	RX	N/A		
Sets a new baudrate for the serial interface, if DIP Switches DIP1=ON and DIP2=ON. The following baudrates are allowed: 300bd 600bd 1200bd 2400bd 4800bd 9600bd 19200bd 38400bd all others are interpreted as 57600bd HINT: The new setup parameters will be active after a restart of the module.				

SET MODBUS PARITY	ASCII WRITE COMMAND	#SET MODBUS PARITY:<PARITY><CR> #SMBPAR:<PARITY><CR> Result: #OK<CR>	ASCII	NO
	PARITY	NONE:NO PARITY		
	TX	#SET MODBUS PARITY:NONE<CR>		
	RX	N/A		
Sets a new parity for the serial interface. MBParity: NONE: no parity EVEN: even parity ODD: odd parity HINT: The new setup parameters will be active after a restart of the module.				
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> #SMBPARAMS:<UNITID>,<BAUD>,<PARITY>,<STOPBIT><CR> Result: #OK<CR>	ASCII	NO
	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:255,0xFF,65535,0xFFFF<CR>		
		Current MODBUS unit ID for DIP4=OFF:255,0xFF,65535,0xFFFF		

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.

MUnitDec,MUnitHex

The current used MODBUS/RTU unit or ASCII address for communication

MBFLASHDec,MBFLASHHex

The internal stored MODBUS/RTU unit address or ASCII address from the FLASH memory, if the DIP switch DIP3 is OFF.

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

Returns the current defined baud rate for the serial interface, if DIP switches DIP1=ON and DIP2=ON.

The following baudrates are allowed:

300bd
600bd
1200bd
2400bd
4800bd
9600bd
19200bd
38400bd
all others are interpreted as 57600bd

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

Shows the current configured parity of the serial interface.

MBParity

NONE: no parity

EVEN: even parity

ODD: odd parity

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

Returns the current configured amount of stop bits for the serial interface.

MBStops

ONE: one stop bit

TWO: two stop bits

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,65535,0xFFFF,57600,0xE100,NONE,ONE<CR>		
		Current MODBUS unit ID used:255		
		Current MODBUS unit ID in FLASH:65535		
		Current baudrate in FLASH:57600		
		Current parity in FLASH:NONE		
		Current stopbit(s) in FLASH:ONE		
Returns the complete settings for serial interface				
ASCII COMMANDS				
RESET	ASCII WRITE COMMAND	#RESET<CR> #RST<CR> Result: #OK<CR>	ASCII	NO
	TX	#RESET<CR>		
	RX	N/A		
Executes a software reset (Reboot) of the module.				
FACTORY RESET	ASCII WRITE COMMAND	#FACTORY RESET<CR> #FRST<CR> Result: #OK<CR>	ASCII	NO
	TX	#FACTORY RESET<CR>		
	RX	N/A		
Executes a factory reset of all parameters to default values within the module and reboots the module				

4AIU STATUS	3x05052 4x05052 I:5051	0,0x0000 B:00 00			SINT16 R/O	
Shows the internal converter status: =0: Everything is ok !=0: Internal converter problem or error						
ANALOG INPUTS						
RAW ANALOG INPUT1	3x00001 4x00001 I:0	7128,0x1BD8 B:1B D8			SINT16 R/O	
Current value of the analog input AI1 as value between -32768 and +32767. -32768 or 0x8000:-10.24V 0 or 0x0000: 0V +32767 or 0x7FFF:+10.24V						
RAW ANALOG INPUT2	3x00002 4x00002 I:1	7125,0x1BD5 B:1B D5			SINT16 R/O	
Current value of the analog input AI2 as value between -32768 and +32767. -32768 or 0x8000:-10.24V 0 or 0x0000: 0V +32767 or 0x7FFF:+10.24V						
RAW ANALOG INPUT3	3x00003 4x00003 I:2	7126,0x1BD6 B:1B D6			SINT16 R/O	
Current value of the analog input AI3 as value between -32768 and +32767. -32768 or 0x8000:-10.24V 0 or 0x0000: 0V +32767 or 0x7FFF:+10.24V						
RAW ANALOG INPUT4	3x00004 4x00004 I:3	7125,0x1BD5 B:1B D5			SINT16 R/O	
Current value of the analog input AI4 as value between -32768 and +32767. -32768 or 0x8000:-10.24V 0 or 0x0000: 0V +32767 or 0x7FFF:+10.24V						
PERCENT ANALOG INPUT1	3x00005 4x00005 I:4	2227,0x08B3 B:08 B3			SINT16 R/O	
Current percent on AI1:22,27%						
Current value of the analog input AI1 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						

PERCENT ANALOG INPUT2	3x00006 4x00006 I:5	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current percent on AI2:22,26%				
Current value of the analog input AI2 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG INPUT3	3x00007 4x00007 I:6	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current percent on AI3:22,26%				
Current value of the analog input AI3 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG INPUT4	3x00008 4x00008 I:7	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current percent on AI4:22,26%				
Current value of the analog input AI4 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
VOLTAGE ANALOG INPUT1	3x00009 4x00009 I:8	2227,0x08B3 B:08 B3			SINT16 R/O	
		Current voltage on AI1:2,227V				
Current value of the analog input AI1 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
VOLTAGE ANALOG INPUT2	3x00010 4x00010 I:9	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current voltage on AI2:2,226V				
Current value of the analog input AI2 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
VOLTAGE ANALOG INPUT3	3x00011 4x00011 I:10	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current voltage on AI3:2,226V				
Current value of the analog input AI3 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						

VOLTAGE ANALOG INPUT4	3x00012 4x00012 I:11	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current voltage on AI4:2,226V				
Current value of the analog input AI4 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
ANALOG INPUTS						
PERCENT ANALOG INPUT1	3x00101 4x00101 I:100	2227,0x08B3 B:08 B3			SINT16 R/O	
		Current percent on AI1:22,27%				
Current value of the analog input AI1 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG INPUT2	3x00102 4x00102 I:101	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current percent on AI2:22,26%				
Current value of the analog input AI2 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG INPUT3	3x00103 4x00103 I:102	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current percent on AI3:22,26%				
Current value of the analog input AI3 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG INPUT4	3x00104 4x00104 I:103	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current percent on AI4:22,26%				
Current value of the analog input AI4 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
VOLTAGE ANALOG INPUT1	3x00201 4x00201 I:200	2227,0x08B3 B:08 B3			SINT16 R/O	
		Current voltage on AI1:2,227V				

Current value of the analog input AI1 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV.

-10240:-10.24V

0:0V

+10240:+10.24V

VOLTAGE ANALOG INPUT2	3x00202 4x00202 I:201	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current voltage on AI2:2,226V				

Current value of the analog input AI2 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV.

-10240:-10.24V

0:0V

+10240:+10.24V

VOLTAGE ANALOG INPUT3	3x00203 4x00203 I:202	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current voltage on AI3:2,226V				

Current value of the analog input AI3 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV.

-10240:-10.24V

0:0V

+10240:+10.24V

VOLTAGE ANALOG INPUT4	3x00204 4x00204 I:203	2226,0x08B2 B:08 B2			SINT16 R/O	
		Current voltage on AI4:2,226V				

Current value of the analog input AI4 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV.

-10240:-10.24V

0:0V

+10240:+10.24V

ANALOG INPUTS

PERCENT ANALOG INPUT1	3x00301 4x00301 I:300	222725,0x00036605 B:00 03 66 05			SINT32 R/O	
		Current percent on AI1:22,2725%				

Current value of the analog input AI1 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG INPUT2	3x00303 4x00303 I:302	222663,0x000365C7 B:00 03 65 C7			SINT32 R/O	
		Current percent on AI2:22,2663%				

Current value of the analog input AI2 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG INPUT3	3x00305 4x00305 I:304	222694,0x000365E6 B:00 03 65 E6			SINT32 R/O	
		Current percent on AI3:22,2694%				

Current value of the analog input AI3 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG INPUT4	3x00307 4x00307 I:306	222663,0x000365C7 B:00 03 65 C7			SINT32 R/O	
		Current percent on AI4:22,2663%				

Current value of the analog input AI4 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG INPUT1	3x00401 4x00401 I:400	222725,0x00036605 B:66 05 00 03			SINT32R R/O	
		Current percent on AI1:22,2725%				

Current value of the analog input AI1 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG INPUT2	3x00403 4x00403 I:402	222663,0x000365C7 B:65 C7 00 03			SINT32R R/O	
		Current percent on AI2:22,2663%				

Current value of the analog input AI2 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG INPUT3	3x00405 4x00405 I:404	222694,0x000365E6 B:65 E6 00 03			SINT32R R/O	
		Current percent on AI3:22,2694%				

Current value of the analog input AI3 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG INPUT4	3x00407 4x00407 I:406	222663,0x000365C7 B:65 C7 00 03			SINT32R R/O	
		Current percent on AI4:22,2663%				

Current value of the analog input AI4 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

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ANALOG INPUTS

VOLTAGE ANALOG INPUT1	3x00501 4x00501 I:500	222725,0x00036605 B:00 03 66 05			SINT32 R/O	
		Current voltage on AI1:2,22725V				

Current value of the analog input AI1 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

VOLTAGE ANALOG INPUT2	3x00503 4x00503 I:502	222663,0x000365C7 B:00 03 65 C7			SINT32 R/O	
		Current voltage on AI2:2,22663V				

Current value of the analog input AI2 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

VOLTAGE ANALOG INPUT3	3x00505 4x00505 I:504	222694,0x000365E6 B:00 03 65 E6			SINT32 R/O	
		Current voltage on AI3:2,22694V				

Current value of the analog input AI3 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

VOLTAGE ANALOG INPUT4	3x00507 4x00507 I:506	222663,0x000365C7 B:00 03 65 C7			SINT32 R/O	
		Current voltage on AI4:2,22663V				

Current value of the analog input AI4 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

VOLTAGE ANALOG INPUT1	3x00601 4x00601 I:600	222725,0x00036605 B:66 05 00 03			SINT32R R/O	
		Current voltage on AI1:2,22725V				

Current value of the analog input AI1 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

VOLTAGE ANALOG INPUT2	3x00603 4x00603 I:602	222663,0x000365C7 B:65 C7 00 03			SINT32R R/O	
		Current voltage on AI2:2,22663V				

Current value of the analog input AI2 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

VOLTAGE ANALOG INPUT3	3x00605 4x00605 I:604	222694,0x000365E6 B:65 E6 00 03			SINT32R R/O	
		Current voltage on AI3:2,22694V				
Current value of the analog input AI3 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000. -1024000:-10.24V 0:0V +1024000:+10.24V						
VOLTAGE ANALOG INPUT4	3x00607 4x00607 I:606	222663,0x000365C7 B:65 C7 00 03			SINT32R R/O	
		Current voltage on AI4:2,22663V				
Current value of the analog input AI4 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000. -1024000:-10.24V 0:0V +1024000:+10.24V						

ANALOG INPUTS

PERCENT ANALOG INPUT1	3x00701 4x00701 I:700	22.272554,0x41B22E31 B:41 B2 2E 31			FLOAT32 R/O	
		Current percent on AI1:22,272554%				
Current value of the analog input AI1 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG INPUT2	3x00703 4x00703 I:702	22.266304,0x41B22164 B:41 B2 21 64			FLOAT32 R/O	
		Current percent on AI2:22,266304%				
Current value of the analog input AI2 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG INPUT3	3x00705 4x00705 I:704	22.269430,0x41B227CB B:41 B2 27 CB			FLOAT32 R/O	
		Current percent on AI3:22,26943%				
Current value of the analog input AI3 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG INPUT4	3x00707 4x00707 I:706	22.269430,0x41B227CB B:41 B2 27 CB			FLOAT32 R/O	
		Current percent on AI4:22,26943%				

Current value of the analog input AI4 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

PERCENT ANALOG INPUT1	3x00801 4x00801 I:800	22.272554,0x41B22E31 B:2E 31 41 B2			FLOAT32R R/O	
		Current percent on AI1:22,272554%				

Current value of the analog input AI1 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

PERCENT ANALOG INPUT2	3x00803 4x00803 I:802	22.266304,0x41B22164 B:21 64 41 B2			FLOAT32R R/O	
		Current percent on AI2:22,266304%				

Current value of the analog input AI2 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

PERCENT ANALOG INPUT3	3x00805 4x00805 I:804	22.269430,0x41B227CB B:27 CB 41 B2			FLOAT32R R/O	
		Current percent on AI3:22,26943%				

Current value of the analog input AI3 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

PERCENT ANALOG INPUT4	3x00807 4x00807 I:806	22.269430,0x41B227CB B:27 CB 41 B2			FLOAT32R R/O	
		Current percent on AI4:22,26943%				

Current value of the analog input AI4 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

ANALOG INPUTS

VOLTAGE ANALOG INPUT1	3x00901 4x00901 I:900	2.227256,0x400E8B5B B:40 0E 8B 5B			FLOAT32 R/O	
		Current voltage on AI1:2,227256V				

Current value of the analog input AI1 voltage value between -10.24V and +10.24V.

-10.24:-10.24V

0:0V

+10.24:+10.24V

VOLTAGE ANALOG INPUT2	3x00903 4x00903 I:902	2.226630,0x400E811D B:40 0E 81 1D			FLOAT32 R/O	
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		Current voltage on AI2:2,22663V				
Current value of the analog input AI2 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG INPUT3	3x00905 4x00905 I:904	2.226943,0x400E863C B:40 0E 86 3C			FLOAT32 R/O	
		Current voltage on AI3:2,226943V				
Current value of the analog input AI3 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG INPUT4	3x00907 4x00907 I:906	2.226943,0x400E863C B:40 0E 86 3C			FLOAT32 R/O	
		Current voltage on AI4:2,226943V				
Current value of the analog input AI4 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG INPUT1	3x01001 4x01001 I:1000	2.227568,0x400E9079 B:90 79 40 0E			FLOAT32R R/O	
		Current voltage on AI1:2,227568V				
Current value of the analog input AI1 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG INPUT2	3x01003 4x01003 I:1002	2.226630,0x400E811D B:81 1D 40 0E			FLOAT32R R/O	
		Current voltage on AI2:2,22663V				
Current value of the analog input AI2 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG INPUT3	3x01005 4x01005 I:1004	2.226943,0x400E863C B:86 3C 40 0E			FLOAT32R R/O	
		Current voltage on AI3:2,226943V				
Current value of the analog input AI3 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						

VOLTAGE ANALOG INPUT4	3x01007 4x01007 I:1006	2.226943,0x400E863C B:86 3C 40 0E			FLOAT32R R/O	
		Current voltage on AI4:2,226943V				
Current value of the analog input AI4 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						

ANALOG INPUTS

PERCENT ANALOG INPUT1	3x01101 4x01101 I:1100	22.275680,0x40364692F38C4D7F B:40 36 46 92 F3 8C 4D 7F			DOUBLE64 R/O	
		Current percent on AI1:22,27568%				
Current value of the analog input AI1 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG INPUT2	3x01105 4x01105 I:1104	22.266305,0x4036442C885910B2 B:40 36 44 2C 88 59 10 B2			DOUBLE64 R/O	
		Current percent on AI2:22,266305%				
Current value of the analog input AI2 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG INPUT3	3x01109 4x01109 I:1108	22.269430,0x403644F956BF7A4C B:40 36 44 F9 56 BF 7A 4C			DOUBLE64 R/O	
		Current percent on AI3:22,26943%				
Current value of the analog input AI3 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG INPUT4	3x01113 4x01113 I:1112	22.269430,0x403644F956BF7A4C B:40 36 44 F9 56 BF 7A 4C			DOUBLE64 R/O	
		Current percent on AI4:22,26943%				
Current value of the analog input AI4 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG INPUT1	3x01201 4x01201 I:1200	22.275680,0x40364692F38C4D7F B:4D 7F F3 8C 46 92 40 36			DOUBLE64R R/O	
		Current percent on AI1:22,27568%				

Current value of the analog input AI1 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

PERCENT ANALOG INPUT2	3x01205 4x01205 I:1204	22.266305,0x4036442C885910B2 B:10 B2 88 59 44 2C 40 36			DOUBLE64R R/O	
		Current percent on AI2:22,266305%				

Current value of the analog input AI2 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

PERCENT ANALOG INPUT3	3x01209 4x01209 I:1208	22.269430,0x403644F956BF7A4C B:7A 4C 56 BF 44 F9 40 36			DOUBLE64R R/O	
		Current percent on AI3:22,26943%				

Current value of the analog input AI3 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

PERCENT ANALOG INPUT4	3x01213 4x01213 I:1212	22.269430,0x403644F956BF7A4C B:7A 4C 56 BF 44 F9 40 36			DOUBLE64R R/O	
		Current percent on AI4:22,26943%				

Current value of the analog input AI4 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

ANALOG INPUTS

VOLTAGE ANALOG INPUT1	3x01301 4x01301 I:1300	2.227568,0x4001D20F293D0ACC B:40 01 D2 0F 29 3D 0A CC			DOUBLE64 R/O	
		Current voltage on AI1:2,227568V				

Current value of the analog input AI1 voltage value between -10.24V and +10.24V.

-10.24:-10.24V

0:0V

+10.24:+10.24V

VOLTAGE ANALOG INPUT2	3x01305 4x01305 I:1304	2.226630,0x4001D023A047408F B:40 01 D0 23 A0 47 40 8F			DOUBLE64 R/O	
		Current voltage on AI2:2,22663V				

Current value of the analog input AI2 voltage value between -10.24V and +10.24V.

-10.24:-10.24V

0:0V

+10.24:+10.24V

VOLTAGE ANALOG INPUT3	3x01309 4x01309 I:1308	2.226943,0x4001D0C778992EA3 B:40 01 D0 C7 78 99 2E A3			DOUBLE64 R/O	
Current voltage on AI3:2,226943V						
Current value of the analog input AI3 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG INPUT4	3x01313 4x01313 I:1312	2.226943,0x4001D0C778992EA3 B:40 01 D0 C7 78 99 2E A3			DOUBLE64 R/O	
Current voltage on AI4:2,226943V						
Current value of the analog input AI4 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG INPUT1	3x01401 4x01401 I:1400	2.227255,0x4001D16B50EB1CB7 B:1C B7 50 EB D1 6B 40 01			DOUBLE64R R/O	
Current voltage on AI1:2,227255V						
Current value of the analog input AI1 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG INPUT2	3x01405 4x01405 I:1404	2.226630,0x4001D023A047408F B:40 8F A0 47 D0 23 40 01			DOUBLE64R R/O	
Current voltage on AI2:2,22663V						
Current value of the analog input AI2 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG INPUT3	3x01409 4x01409 I:1408	2.226943,0x4001D0C778992EA3 B:2E A3 78 99 D0 C7 40 01			DOUBLE64R R/O	
Current voltage on AI3:2,226943V						
Current value of the analog input AI3 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG INPUT4	3x01413 4x01413 I:1412	2.226943,0x4001D0C778992EA3 B:2E A3 78 99 D0 C7 40 01			DOUBLE64R R/O	
Current voltage on AI4:2,226943V						

GET RAW AIS	ASCII READ COMMAND	#GET RAW AIS<CR> #GRAIS<CR> Result: #GRAIS:<AI1RawDec>,<AI2RawDec>,<AI3RawDec>,<AI4RawDec>,<AI1RawHex>,<AI2RawHex>,<AI3RawHex>,<AI4RawHex><CR>	ASCII	
	TX	#GET RAW AIS<CR>		
	RX	#255,GRAIS:7128,7125,7126,7126,0x1BD8,0x1BD5,0x1BD6,0x1BD6<CR>		
		Current raw value of analog input AI1:7128		
		Current raw value of analog input AI2:7125		
		Current raw value of analog input AI3:7126		
		Current raw value of analog input AI4:7126		
Returns the current raw value of all 4 analog inputs as a decimal number and as a hexadecimal number AIxRawDec,AIxRawHex The current value of the analog input as SINT16 value between -32768 and 32767. -32768 or 0x8000 stands for -10.24V 0 or 0x0000 stands for 0V +32767 or 0x7FFF stands for +10.24V				
GET RAW AIx	ASCII READ COMMAND	#GET RAW AI<x><CR> #GRAI<x><CR> Result: #GRAI<x>:<AIxRawDec>,<AIxRawHex><CR>	ASCII	
	x	2		
	TX	#GET RAW AI2<CR>		
	RX	#255,GRAI2:7125,0x1BD5<CR>		
		Current raw value of analog input AIx:7125		
Returns the current raw value of an analog input as a decimal number and as a hexadecimal number. X stands for the desired analog input from 1 to 4. AIxRawDec,AIxRawHex The current value of the analog input as SINT16 value between -32768 and 32767. -32768 or 0x8000 stands for -10.24V 0 or 0x0000 stands for 0V +32767 or 0x7FFF stands for +10.24V				
GET PERCENT AIS	ASCII READ COMMAND	#GET PERCENT AIS<CR> #GPAIS<CR> Result: #GPAIS:<AI1PercentDbl>,<AI2PercentDbl>,<AI3PercentDbl>,<AI4PercentDbl><CR>	ASCII	
	TX	#GET PERCENT AIS<CR>		
	RX	#255,GPAIS:22.276,22.266,22.269,22.269<CR>		
		Current percent value of analog input AI1:22,276		
		Current percent value of analog input AI2:22,266		
		Current percent value of analog input AI3:22,269		
		Current percent value of analog input AI4:22,269		

Returns the current actual value of all 4 analog inputs as a percentage value between -100.000 and +100.000. The values are transmitted as a floating-point number with 3 decimal places.
 The decimal separator uses a dot.
 AlxPercentDbl
 The current percentage value of the analog input as a DOUBLE value between -100,000 and +100,000 percent
 -102.400% stands for -10.24V
 0% stands for 0V
 +102.400% stands for +10.24V

GET PERCENT Alx	ASCII READ COMMAND	#GET PERCENT AI<x><CR> #GPAI<x><CR> Result: #GPAI<x>:<AlxPercentDbl><CR>	ASCII	
	x	1		
	TX	#GET PERCENT AI1<CR>		
	RX	#255,GPAI1:22.276<CR>		
		Current percent value of analog input AIx:22,276		

Returns the current percentage of an analog input as a floating-point number with 3 decimal places. X stands for the desired analog input from 1 to 4.
 The decimal separator uses a dot.
 AlxPercentDblThe current percentage value of the analog input as a DOUBLE value between -100,000 and +100,000 percent
 -102.400% stands for -10.24V
 0% stands for 0V
 +102.400% stands for +10.24V

GET AIS	ASCII READ COMMAND	#GET AIS<CR> #GAIS<CR> Result: #GAIS:<AI1Dbl>,<AI2Dbl>,<AI3Dbl>,<AI4Dbl><CR>	ASCII	
	TX	#GET AIS<CR>		
	RX	#255,GAIS:2.228,2.226,2.227,2.227<CR>		
		Current voltage value of analog input AI1:2,228		
		Current voltage value of analog input AI2:2,226		
		Current voltage value of analog input AI3:2,227		
		Current voltage value of analog input AI4:2,227		

Returns the current actual value of all 4 analog inputs as a voltage value between -10.240V and +10.240V.
 The voltage values are transmitted as a floating-point number with 3 decimal places.
 The decimal separator uses a dot.

AlxDbl
 The current voltage value of the analog input as DOUBLE value between -10.240V and +10.240V

GET AIx	ASCII READ COMMAND	#GET AI<x><CR> #GAI<x><CR> Result: #GAI<x>:<AlxDbl><CR>	ASCII	
	x	1		
	TX	#GET AI1<CR>		

	RX	#255,GA1:2.228<CR>		
		Current voltage value of analog input AIx:2,228		
Returns the current actual value of an analog input as a voltage value. The voltage value is transmitted as a floating-point number with 3 decimal places. X stands for the desired analog input from 1 to 4. The decimal separator uses a dot. AIxDbl The current voltage value of the analog input as DOUBLE value between -10.240V and +10.240V				