

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	8195,0x2003 B:20 03			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-1RO-SIO<CR>		
		Current module type:RESI-1RO-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> #SETMBADR:<UNITID><CR> Result: #OK<CR>	ASCII	NO
	UNITID	1		
	TX	#SET MODBUS ADDRESS:1<CR>		
	RX	N/A		
Redefines the unit ID of the module. This change will affect the MODBUS/RTU communication immediately. As a Unit IO you can use the values 0dec to 255dec. 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> #SETMBBAUD:<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> #SETMBPAR:<PARITY><CR> Result: #OK<CR>	ASCII	NO
	PARITY	NONE:NO PARITY		
	TX	#SET MODBUS PARITY:NONE<CR>		
	RX	N/A		
Sets a new parity for the serial interface. MBParity: NONE: no parity EVEN: even parity ODD: odd parity 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> #SETMBPARAMS:<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				

4AOU 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 OUTPUTS						
RAW ANALOG OUTPUT1	3x00001 4x00001 I:0	32767,0x7FFF B:7F FF			SINT16 R/O	
Current value of the analog output AO1 as value between -32768 and +32767. -32768 or 0x8000:-10.24V 0 or 0x0000: 0V +32767 or 0x7FFF:+10.24V						
RAW ANALOG OUTPUT2	3x00002 4x00002 I:1	24575,0x5FFF B:5F FF			SINT16 R/O	
Current value of the analog output AO2 as value between -32768 and +32767. -32768 or 0x8000:-10.24V 0 or 0x0000: 0V +32767 or 0x7FFF:+10.24V						
RAW ANALOG OUTPUT3	3x00003 4x00003 I:2	16383,0x3FFF B:3F FF			SINT16 R/O	
Current value of the analog output AO3 as value between -32768 and +32767. -32768 or 0x8000:-10.24V 0 or 0x0000: 0V +32767 or 0x7FFF:+10.24V						
RAW ANALOG OUTPUT4	3x00004 4x00004 I:3	8191,0x1FFF B:1F FF			SINT16 R/O	
Current value of the analog output AO4 as value between -32768 and +32767. -32768 or 0x8000:-10.24V 0 or 0x0000: 0V +32767 or 0x7FFF:+10.24V						
PERCENT ANALOG OUTPUT1	3x00005 4x00005 I:4	10000,0x2710 B:27 10			SINT16 R/O	
Current percent on AO1:100%						
Current value of the analog output AO1 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						

PERCENT ANALOG OUTPUT2	3x00006 4x00006 I:5	7499,0x1D4B B:1D 4B			SINT16 R/O	
		Current percent on AO2:74,99%				
Current value of the analog output AO2 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG OUTPUT3	3x00007 4x00007 I:6	4999,0x1387 B:13 87			SINT16 R/O	
		Current percent on AO3:49,99%				
Current value of the analog output AO3 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG OUTPUT4	3x00008 4x00008 I:7	2499,0x09C3 B:09 C3			SINT16 R/O	
		Current percent on AO4:24,99%				
Current value of the analog output AO4 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
VOLTAGE ANALOG OUTPUT1	3x00009 4x00009 I:8	10000,0x2710 B:27 10			SINT16 R/O	
		Current voltage on AO1:10V				
Current value of the analog output AO1 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
VOLTAGE ANALOG OUTPUT2	3x00010 4x00010 I:9	7499,0x1D4B B:1D 4B			SINT16 R/O	
		Current voltage on AO2:7,499V				
Current value of the analog output AO2 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
VOLTAGE ANALOG OUTPUT3	3x00011 4x00011 I:10	4999,0x1387 B:13 87			SINT16 R/O	
		Current voltage on AO3:4,999V				
Current value of the analog output AO3 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						

VOLTAGE ANALOG OUTPUT4	3x00012 4x00012 I:11	2499,0x09C3 B:09 C3			SINT16 R/O	
		Current voltage on AO4:2,499V				
Current value of the analog output AO4 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN PERCENT ANALOG OUTPUT1	3x00013 4x00013 I:12	10000,0x2710 B:27 10			SINT16 R/O	
		Current written percent on AO1:100%				
Current value of the written analog output AO1 from the host as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN PERCENT ANALOG OUTPUT2	3x00014 4x00014 I:13	7500,0x1D4C B:1D 4C			SINT16 R/O	
		Current written percent on AO2:75%				
Current value of the written analog output AO2 from the host as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN PERCENT ANALOG OUTPUT3	3x00015 4x00015 I:14	5000,0x1388 B:13 88			SINT16 R/O	
		Current written percent on AO3:50%				
Current value of the written analog output AO3 from the host as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN PERCENT ANALOG OUTPUT4	3x00016 4x00016 I:15	2500,0x09C4 B:09 C4			SINT16 R/O	
		Current written percent on AO4:25%				
Current value of the written analog output AO4 from the host as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN VOLTAGE ANALOG OUTPUT1	3x00017 4x00017 I:16	10000,0x2710 B:27 10			SINT16 R/O	
		Current written voltage on AO1:10V				

Current value of the written analog output AO1 from the host as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN VOLTAGE ANALOG OUTPUT2	3x00018 4x00018 I:17	7500,0x1D4C B:1D 4C			SINT16 R/O	
	Current written voltage on AO2:7,5V					
Current value of the written analog output AO2 from the host as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN VOLTAGE ANALOG OUTPUT3	3x00019 4x00019 I:18	5000,0x1388 B:13 88			SINT16 R/O	
	Current written voltage on AO3:5V					
Current value of the written analog output AO3 from the host as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN VOLTAGE ANALOG OUTPUT4	3x00020 4x00020 I:19	2500,0x09C4 B:09 C4			SINT16 R/O	
	Current written voltage on AO4:2,5V					
Current value of the written analog output AO4 from the host as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
ANALOG OUTPUTS						
WRITTEN PERCENT ANALOG OUTPUT1	3x00101 4x00101 I:100	10000,0x2710 B:27 10	10000	100,00	SINT16 R/W	YES
	Current written percent on AO1:100%					
Current value of the written analog output AO1 from the host as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN PERCENT ANALOG OUTPUT2	3x00102 4x00102 I:101	7500,0x1D4C B:1D 4C	7500	75,00	SINT16 R/W	YES
	Current written percent on AO2:75%					
Current value of the written analog output AO2 from the host as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						

WRITTEN PERCENT ANALOG OUTPUT3	3x00103 4x00103 I:102	5000,0x1388 B:13 88	5000	50,00	SINT16 R/W	YES
Current written percent on AO3:50%						
Current value of the written analog output AO3 from the host as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN PERCENT ANALOG OUTPUT4	3x00104 4x00104 I:103	2500,0x09C4 B:09 C4	2500	25,00	SINT16 R/W	YES
Current written percent on AO4:25%						
Current value of the written analog output AO4 from the host as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG OUTPUT1	3x00105 4x00105 I:104	10000,0x2710 B:27 10	10000	100,00	SINT16 R/W	NO
Current percent on AO1:100%						
Current value of the analog output AO1 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG OUTPUT2	3x00106 4x00106 I:105	7499,0x1D4B B:1D 4B	7500	75,00	SINT16 R/W	NO
Current percent on AO2:74,99%						
Current value of the analog output AO2 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG OUTPUT3	3x00107 4x00107 I:106	4999,0x1387 B:13 87	5000	50,00	SINT16 R/W	NO
Current percent on AO3:49,99%						
Current value of the analog output AO3 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000. -10240:-10.24V 0:0V +10240:+10.24V						
PERCENT ANALOG OUTPUT4	3x00108 4x00108 I:107	2499,0x09C3 B:09 C3	2500	25,00	SINT16 R/W	NO
Current percent on AO4:24,99%						

Current value of the analog output AO4 as percentage with 2 decimal places (percentage value * 100) between -10000 and +10000.

-10240:-10.24V
0:0V
+10240:+10.24V

WRITTEN VOLTAGE ANALOG OUTPUT1	3x00201 4x00201 I:200	10000,0x2710 B:27 10	100	10,000	SINT16 R/W	NO
		Current written voltage on AO1:10V				
Current value of the written analog output AO1 from the host as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN VOLTAGE ANALOG OUTPUT2	3x00202 4x00202 I:201	7500,0x1D4C B:1D 4C	75	7,500	SINT16 R/W	NO
		Current written voltage on AO2:7,5V				
Current value of the written analog output AO2 from the host as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN VOLTAGE ANALOG OUTPUT3	3x00203 4x00203 I:202	5000,0x1388 B:13 88	50	5,000	SINT16 R/W	NO
		Current written voltage on AO3:5V				
Current value of the written analog output AO3 from the host as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
WRITTEN VOLTAGE ANALOG OUTPUT4	3x00204 4x00204 I:203	2500,0x09C4 B:09 C4	25	2,500	SINT16 R/W	NO
		Current written voltage on AO4:2,5V				
Current value of the written analog output AO4 from the host as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
VOLTAGE ANALOG OUTPUT1	3x00205 4x00205 I:204	10000,0x2710 B:27 10	100	10,000	SINT16 R/W	NO
		Current voltage on AO1:10V				
Current value of the analog output AO1 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV. -10240:-10.24V 0:0V +10240:+10.24V						
VOLTAGE ANALOG OUTPUT2	3x00206 4x00206 I:205	7500,0x1D4C B:1D 4C	75	7,500	SINT16 R/W	NO
		Current voltage on AO2:7,5V				

Current value of the analog output AO2 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV.

-10240:-10.24V

0:0V

+10240:+10.24V

VOLTAGE ANALOG OUTPUT3	3x00207 4x00207 I:206	5000,0x1388 B:13 88	50	5,000	SINT16 R/W	NO
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Current voltage on AO3:5V

Current value of the analog output AO3 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV.

-10240:-10.24V

0:0V

+10240:+10.24V

VOLTAGE ANALOG OUTPUT4	3x00208 4x00208 I:207	2500,0x09C4 B:09 C4	25	2,500	SINT16 R/W	NO
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Current voltage on AO4:2,5V

Current value of the analog output AO4 as voltage value with 3 decimal places (voltage value * 1000) between -10240mV and +10240mV.

-10240:-10.24V

0:0V

+10240:+10.24V

ANALOG OUTPUTS

PERCENT ANALOG OUTPUT1	3x00301 4x00301 I:300	1000000,0x000F4240 B:00 0F 42 40			SINT32 R/O	
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Current percent on AO1:100%

Current value of the analog output AO1 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG OUTPUT2	3x00303 4x00303 I:302	749992,0x000B71A8 B:00 0B 71 A8			SINT32 R/O	
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Current percent on AO2:74,9992%

Current value of the analog output AO2 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG OUTPUT3	3x00305 4x00305 I:304	499984,0x0007A110 B:00 07 A1 10			SINT32 R/O	
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Current percent on AO3:49,9984%

Current value of the analog output AO3 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG OUTPUT4	3x00307 4x00307 I:306	249977,0x0003D079 B:00 03 D0 79			SINT32 R/O	
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Current percent on AO4:24,9977%

Current value of the analog output AO4 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG OUTPUT1	3x00401 4x00401 I:400	1000000,0x000F4240 B:42 40 00 0F			SINT32R R/O	
		Current percent on AO1:100%				

Current value of the analog output AO1 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG OUTPUT2	3x00403 4x00403 I:402	749992,0x000B71A8 B:71 A8 00 0B			SINT32R R/O	
		Current percent on AO2:74,9992%				

Current value of the analog output AO2 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG OUTPUT3	3x00405 4x00405 I:404	499984,0x0007A110 B:A1 10 00 07			SINT32R R/O	
		Current percent on AO3:49,9984%				

Current value of the analog output AO3 as percentage with 4 decimal places (percentage value * 10000) between -1000000 and +1000000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

PERCENT ANALOG OUTPUT4	3x00407 4x00407 I:406	249977,0x0003D079 B:D0 79 00 03			SINT32R R/O	
		Current percent on AO4:24,9977%				

Current value of the analog output AO4 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 OUTPUTS

VOLTAGE ANALOG OUTPUT1	3x00501 4x00501 I:500	1000000,0x000F4240 B:00 0F 42 40			SINT32 R/O	
		Current voltage on AO1:10V				

Current value of the analog output AO1 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000.

-1024000:-10.24V

0:0V

+1024000:+10.24V

VOLTAGE ANALOG OUTPUT2	3x00503 4x00503 I:502	749992,0x000B71A8 B:00 0B 71 A8			SINT32 R/O	
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		Current voltage on AO2:7,49992V				
Current value of the analog output AO2 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000. -1024000:-10.24V 0:0V +1024000:+10.24V						
VOLTAGE ANALOG OUTPUT3	3x00505 4x00505 I:504	499984,0x0007A110 B:00 07 A1 10			SINT32 R/O	
		Current voltage on AO3:4,99984V				
Current value of the analog output AO3 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000. -1024000:-10.24V 0:0V +1024000:+10.24V						
VOLTAGE ANALOG OUTPUT4	3x00507 4x00507 I:506	249977,0x0003D079 B:00 03 D0 79			SINT32 R/O	
		Current voltage on AO4:2,49977V				
Current value of the analog output AO4 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000. -1024000:-10.24V 0:0V +1024000:+10.24V						
VOLTAGE ANALOG OUTPUT1	3x00601 4x00601 I:600	1000000,0x000F4240 B:42 40 00 0F			SINT32R R/O	
		Current voltage on AO1:10V				
Current value of the analog output AO1 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000. -1024000:-10.24V 0:0V +1024000:+10.24V						
VOLTAGE ANALOG OUTPUT2	3x00603 4x00603 I:602	749992,0x000B71A8 B:71 A8 00 0B			SINT32R R/O	
		Current voltage on AO2:7,49992V				
Current value of the analog output AO2 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000. -1024000:-10.24V 0:0V +1024000:+10.24V						
VOLTAGE ANALOG OUTPUT3	3x00605 4x00605 I:604	499984,0x0007A110 B:A1 10 00 07			SINT32R R/O	
		Current voltage on AO3:4,99984V				
Current value of the analog output AO3 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000. -1024000:-10.24V 0:0V +1024000:+10.24V						

VOLTAGE ANALOG OUTPUT4	3x00607 4x00607 I:606	249977,0x0003D079 B:D0 79 00 03			SINT32R R/O	
		Current voltage on AO4:2,49977V				
Current value of the analog output AO4 voltage value with 5 decimal places (voltage value * 100000) between -1024000 and +1024000. -1024000:-10.24V 0:0V +1024000:+10.24V						

ANALOG OUTPUTS

PERCENT ANALOG OUTPUT1	3x00701 4x00701 I:700	100.000000,0x42C80000 B:42 C8 00 00			FLOAT32 R/O	
		Current percent on AO1:100%				
Current value of the analog output AO1 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG OUTPUT2	3x00703 4x00703 I:702	74.999237,0x4295FF9C B:42 95 FF 9C			FLOAT32 R/O	
		Current percent on AO2:74,999237%				
Current value of the analog output AO2 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG OUTPUT3	3x00705 4x00705 I:704	49.998474,0x4247FE70 B:42 47 FE 70			FLOAT32 R/O	
		Current percent on AO3:49,998474%				
Current value of the analog output AO3 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG OUTPUT4	3x00707 4x00707 I:706	24.997711,0x41C7FB50 B:41 C7 FB 50			FLOAT32 R/O	
		Current percent on AO4:24,997711%				
Current value of the analog output AO4 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG OUTPUT1	3x00801 4x00801 I:800	100.000000,0x42C80000 B:00 00 42 C8			FLOAT32R R/O	
		Current percent on AO1:100%				

Current value of the analog output AO1 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

PERCENT ANALOG OUTPUT2	3x00803 4x00803 I:802	74.999237,0x4295FF9C B:FF 9C 42 95			Float32R R/O	
		Current percent on AO2:74,999237%				

Current value of the analog output AO2 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

PERCENT ANALOG OUTPUT3	3x00805 4x00805 I:804	49.998474,0x4247FE70 B:FE 70 42 47			Float32R R/O	
		Current percent on AO3:49,998474%				

Current value of the analog output AO3 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

PERCENT ANALOG OUTPUT4	3x00807 4x00807 I:806	24.997711,0x41C7FB50 B:FB 50 41 C7			Float32R R/O	
		Current percent on AO4:24,997711%				

Current value of the analog output AO4 as percentage value between -100% and +100%.

-102.4%:-10.24V

0%:0V

+102.4%:+10.24V

ANALOG OUTPUTS

VOLTAGE ANALOG OUTPUT1	3x00901 4x00901 I:900	10.000000,0x41200000 B:41 20 00 00			Float32 R/O	
		Current voltage on AO1:10V				

Current value of the analog output AO1 voltage value between -10.24V and +10.24V.

-10.24:-10.24V

0:0V

+10.24:+10.24V

VOLTAGE ANALOG OUTPUT2	3x00903 4x00903 I:902	7.499924,0x40EFFF60 B:40 EF FF 60			Float32 R/O	
		Current voltage on AO2:7,499924V				

Current value of the analog output AO2 voltage value between -10.24V and +10.24V.

-10.24:-10.24V

0:0V

+10.24:+10.24V

VOLTAGE ANALOG OUTPUT3	3x00905 4x00905 I:904	4.999847,0x409FFEC0 B:40 9F FE C0			FLOAT32 R/O	
		Current voltage on AO3:4,999847V				
Current value of the analog output AO3 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT4	3x00907 4x00907 I:906	2.499771,0x401FFC40 B:40 1F FC 40			FLOAT32 R/O	
		Current voltage on AO4:2,499771V				
Current value of the analog output AO4 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT1	3x01001 4x01001 I:1000	10.000000,0x41200000 B:00 00 41 20			FLOAT32R R/O	
		Current voltage on AO1:10V				
Current value of the analog output AO1 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT2	3x01003 4x01003 I:1002	7.499924,0x40EFFF60 B:FF 60 40 EF			FLOAT32R R/O	
		Current voltage on AO2:7,499924V				
Current value of the analog output AO2 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT3	3x01005 4x01005 I:1004	4.999847,0x409FFEC0 B:FE C0 40 9F			FLOAT32R R/O	
		Current voltage on AO3:4,999847V				
Current value of the analog output AO3 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT4	3x01007 4x01007 I:1006	2.499771,0x401FFC40 B:FC 40 40 1F			FLOAT32R R/O	
		Current voltage on AO4:2,499771V				

Current value of the analog output AO4 voltage value between -10.24V and +10.24V.

-10.24:-10.24V
0:0V
+10.24:+10.24V

ANALOG OUTPUTS

PERCENT ANALOG OUTPUT1	3x01101 4x01101 I:1100	100.000000,0x4059000000000000 B:40 59 00 00 00 00 00 00			DOUBLE64 R/O	
		Current percent on AO1:100%				
Current value of the analog output AO1 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG OUTPUT2	3x01105 4x01105 I:1104	74.999237,0x4052BFF37FE6FFCE B:40 52 BF F3 7F E6 FF CE			DOUBLE64 R/O	
		Current percent on AO2:74,999237%				
Current value of the analog output AO2 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG OUTPUT3	3x01109 4x01109 I:1108	49.998474,0x4048FFCDFF9BFF38 B:40 48 FF CD FF 9B FF 38			DOUBLE64 R/O	
		Current percent on AO3:49,998474%				
Current value of the analog output AO3 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG OUTPUT4	3x01113 4x01113 I:1112	24.997711,0x4038FF69FED3FDA8 B:40 38 FF 69 FE D3 FD A8			DOUBLE64 R/O	
		Current percent on AO4:24,997711%				
Current value of the analog output AO4 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +1024%:+10.24V						
PERCENT ANALOG OUTPUT1	3x01201 4x01201 I:1200	100.000000,0x4059000000000000 B:00 00 00 00 00 00 40 59			DOUBLE64R R/O	
		Current percent on AO1:100%				
Current value of the analog output AO1 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +102.4%:+10.24V						
PERCENT ANALOG OUTPUT2	3x01205 4x01205 I:1204	74.999237,0x4052BFF37FE6FFCE B:FF CE 7F E6 BF F3 40 52			DOUBLE64R R/O	

		Current percent on AO2:74,999237%				
Current value of the analog output AO2 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +102.4%:+10.24V						
PERCENT ANALOG OUTPUT3	3x01209 4x01209 I:1208	49.998474,0x4048FFCDFF9BFF38 B:FF 38 FF 9B FF CD 40 48			DOUBLE64R R/O	
		Current percent on AO3:49,998474%				
Current value of the analog output AO3 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +102.4%:+10.24V						
PERCENT ANALOG OUTPUT4	3x01213 4x01213 I:1212	24.997711,0x4038FF69FED3FDA8 B:FD A8 FE D3 FF 69 40 38			DOUBLE64R R/O	
		Current percent on AO4:24,997711%				
Current value of the analog output AO4 as percentage value between -100% and +100%. -102.4%:-10.24V 0%:0V +102.4%:+10.24V						

ANALOG OUTPUTS

VOLTAGE ANALOG OUTPUT1	3x01301 4x01301 I:1300	10.000000,0x4024000000000000 B:40 24 00 00 00 00 00 00			DOUBLE64 R/O	
		Current voltage on AO1:10V				
Current value of the analog output AO1 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT2	3x01305 4x01305 I:1304	7.499924,0x401DFFEBFFD7FFB0 B:40 1D FF EB FF D7 FF B0			DOUBLE64 R/O	
		Current voltage on AO2:7,499924V				
Current value of the analog output AO2 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT3	3x01309 4x01309 I:1308	4.999847,0x4013FFD7FFAFFF60 B:40 13 FF D7 FF AF FF 60			DOUBLE64 R/O	
		Current voltage on AO3:4,999847V				
Current value of the analog output AO3 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						

VOLTAGE ANALOG OUTPUT4	3x01313 4x01313 I:1312	2.499771,0x4003FF87FF0FFE20 B:40 03 FF 87 FF 0F FE 20			DOUBLE64 R/O	
		Current voltage on AO4:2,499771V				
Current value of the analog output AO4 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT1	3x01401 4x01401 I:1400	10.000000,0x4024000000000000 B:00 00 00 00 00 00 40 24			DOUBLE64R R/O	
		Current voltage on AO1:10V				
Current value of the analog output AO1 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT2	3x01405 4x01405 I:1404	7.499924,0x401DFFEBFFD7FFB0 B:FF B0 FF D7 FF EB 40 1D			DOUBLE64R R/O	
		Current voltage on AO2:7,499924V				
Current value of the analog output AO2 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT3	3x01409 4x01409 I:1408	4.999847,0x4013FFD7FFAFFF60 B:FF 60 FF AF FF D7 40 13			DOUBLE64R R/O	
		Current voltage on AO3:4,999847V				
Current value of the analog output AO3 voltage value between -10.24V and +10.24V. -10.24:-10.24V 0:0V +10.24:+10.24V						
VOLTAGE ANALOG OUTPUT4	3x01413 4x01413 I:1412	2.499771,0x4003FF87FF0FFE20 B:FE 20 FF 0F FF 87 40 03			DOUBLE64R R/O	
		Current voltage on AO4:2,499771V				

GET RAW AOS	ASCII READ COMMAND	#GET RAW AOS<CR> #GRAOS<CR> Result: #GRAOS:<AO1RawDec>,<AO2RawDec>,<AO3RawDec>,<AO4RawDec>,<AO1RawHex>,<AO2RawHex>,<AO3RawHex>,<AO4RawHex><CR>	ASCII	
	TX	#GET RAW AOS<CR>		
	RX	#255,GRAOS:32767,24575,16383,8191,0x7FFF,0x5FFF,0x3FFF,0x1FFF<CR>		
		Current raw value of analog output AO1:32767		
		Current raw value of analog output AO2:24575		
		Current raw value of analog output AO3:16383		
		Current raw value of analog output AO4:8191		
Returns the current raw value of all 4 analog outputs as a decimal number and as a hexadecimal number AOxRawDec,AOxRawHex The current value of the analog output 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 AOx	ASCII READ COMMAND	#GET RAW AO<x><CR> #GRAO<x><CR> Result: #GRAO<x>:<AOxRawDec>,<AOxRawHex><CR>	ASCII	
	x	2		
	TX	#GET RAW AO2<CR>		
	RX	#255,GRAO2:24575,0x5FFF<CR>		
		Current raw value of analog output AOx:24575		
Returns the current raw value of an analog output as a decimal number and as a hexadecimal number. X stands for the desired analog output from 1 to 4. AOxRawDec,AOxRawHex The current value of the analog output 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				
SET PERCENT AOS	ASCII WRITE COMMAND	#SET PERCENT AOS:<AO1PercentDbl>,<AO2PercentDbl>,<AO3PercentDbl>,<AO4PercentDbl><CR> #SPAOS:<AO1PercentDbl>,<AO2PercentDbl>,<AO3PercentDbl>,<AO4PercentDbl><CR> Result: #OK<CR>	ASCII	NO
	AO1Percent	10,000		
	AO2Percent	7,500		
	AO3Percent	5,000		
	AO4Percent	2,500		
	TX	#SET PERCENT AOS:10,7.5,5,2.5<CR>		
	RX	N/A		

Writes a new value for all four analog outputs 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.
 AOxPercentDbl
 The new percentage value of the analog output 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 AOS	ASCII READ COMMAND	#GET PERCENT AOS<CR> #GPAOS<CR> Result: #GPAOS:<AO1PercentDbl>,<AO2PercentDbl>,<AO3PercentDbl>,<AO4PercentDbl><CR>	ASCII	
	TX	#GET PERCENT AOS<CR>		
	RX	#255,GPAOS:100.000,74.999,49.998,24.998<CR>		
		Current percent value of analog output AO1:100		
		Current percent value of analog output AO2:74,999		
		Current percent value of analog output AO3:49,998		
		Current percent value of analog output AO4:24,998		

Returns the current actual value of all 4 analog outputs 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.
 AOxPercentDbl
 The current percentage value of the analog output 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

SET PERCENT AOx	ASCII WRITE COMMAND	#SET PERCENT AO<x>:<AOxPercentDbl><CR> #SPAO<x>:<AOxPercentDbl><CR> Result: #OK<CR>	ASCII	NO
	x	1		
	AOxPercent	57,891		
	TX	#SET PERCENT AO1:57.891<CR>		
	RX	N/A		

Sets the new percentage of an analog output as a floating-point number with 3 decimal places. X stands for the desired analog output from 1 to 4.
 The decimal separator uses a dot.
 AOxPercentDbl
 The new percentage value for the analog output 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 AOx	ASCII READ COMMAND	#GET PERCENT AO<x><CR> #GPAO<x><CR> Result: #GPAO<x>:<AOxPercentDbl><CR>	ASCII	
	x	1		

	TX	#GET PERCENT AO1<CR>		
	RX	#255,GPAO1:100.000<CR>		
		Current percent value of analog output AIx:100		
Returns the current percentage of an analog output as a floating-point number with 3 decimal places. X stands for the desired analog output from 1 to 4. The decimal separator uses a dot. AOxPercentDbI The current percentage value of the analog output 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				
SET AOS	ASCII WRITE COMMAND	#SET AOS:<AO1VoltageDbI>,<AO2VoltageDbI>,<AO3VoltageDbI>,<AO4VoltageDbI><CR> #SAOS:<AO1VoltageDbI>,<AO2VoltageDbI>,<AO3VoltageDbI>,<AO4VoltageDbI><CR> Result: #OK<CR>	ASCII	NO
	AO1Voltage	10,000		
	AO2Voltage	7,500		
	AO3Voltage	5,000		
	AO4Voltage	2,500		
	TX	#SET AOS:10,7.5,5,2.5<CR>		
	RX	N/A		
Writes new values for all 4 analog outputs 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. AOxVoltageDbI The new voltage value of the analog output as DOUBLE value between -10.240V and +10.240V				
GET AOS	ASCII READ COMMAND	#GET AOS<CR> #GAOS<CR> Result: #GAOS:<AO1DbI>,<AO2DbI>,<AO3DbI>,<AO4DbI><CR>	ASCII	
	TX	#GET AOS<CR>		
	RX	#255,GAOS:10.000,7.500,5.000,2.500<CR>		
		Current voltage value of analog output AO1:10		
		Current voltage value of analog output AO2:7,5		
		Current voltage value of analog output AO3:5		
		Current voltage value of analog output AO4:2,5		
Returns the current actual value of all 4 analog outputs 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. AOxDbl The current voltage value of the analog output as DOUBLE value between -10.240V and +10.240V				

SET AOx	ASCII WRITE COMMAND	#SET AO<x>:<AOxVoltageDbl><CR> #SAO<x>:<AOxVoltageDbl><CR> Result: #OK<CR>	ASCII	YES
	x	1		
	AOxVoltage	10,000		
	TX	#SET AO1:10<CR>		
	RX	N/A		
Sets a new value for an analog output as a voltage value. The voltage value is transmitted as a floating-point number with 3 decimal places. X stands for the desired analog output from 1 to 4. The decimal separator uses a dot. AOxVoltageDbl The new voltage value for the analog output as DOUBLE value between -10.240V and +10.240V				
GET AOx	ASCII READ COMMAND	#GET AO<x><CR> #GAO<x><CR> Result: #GAO<x>:<AixDbl><CR>	ASCII	
	x	1		
	TX	#GET AO1<CR>		
	RX	#255,GAO1:10.000<CR>		
		Current voltage value of analog output AOx:10		
Returns the current actual value of an analog output as a voltage value. The voltage value is transmitted as a floating-point number with 3 decimal places. X stands for the desired analog output from 1 to 4. The decimal separator uses a dot. AOxDbl The current voltage value of the analog output as DOUBLE value between -10.240V and +10.240V				