

20 CO Power Meter 906601

Application program usage

Manufacturer: Siemens
Product family: Phys. Sensors
Product type: Energy and Power Meter

Name : Energy and Power Meter
Order-No.: 7KT1 162

Name : Energy and Power Meter
Order-Nr.: 7KT1 165

Functional description

The power meters measure the real power and the energy in 3-phase load circuits. Metering can be set for different tariffs. Each device can clearly be identified by a setable meter number.
The metered power and energy values can be displayed on the integrated display.

Communication objects

The device provides six communication objects for communication via EIB.
Up to six group addresses can be assigned to these six communication objects.

Following communication objects can be selected:

Phys.Addr.		Program		
no.	Object name		Function	Type
	01.01.001	20 S1 Power Meter 906601		
	0	Active energy (Wh) Rate 1	Value	4 Byte
	1	Active energy (Wh) Rate 2	Value	4 Byte
	2	Device ID	Number	4 Byte
	3	Active power (W) Phase L1	Value	4 Byte
	4	Active power (W) Phase L2	Value	4 Byte
	5	Active power (W) Phase L3	Value	4 Byte

Obj	Object name	Function	Type	Flags
0	Active energy (Wh) Rate 1	value (EIS 9)	4 Byte	CR TU
The value of the active energy rate 1 can be read via this bus communication object.				
1	Active energy (Wh) Rate 2	value (EIS 9)	4 Byte	CR TU
The value of the active energy rate 2 can be read via this bus communication object.				
2	Device ID	Number	4 Byte	CR TU
The device ID can be read via this bus communication object.				
3	Active power (W) Phase L1	Value (EIS 9)	4 Byte	CR TU
The active power of phase L1 can be read via this bus communication object.				
4	Active power (W) Phase L2	Value (EIS 9)	4 Byte	CR TU
The active power of phase L2 can be read via this bus communication object.				
5	Active power (W) Phase L3	Value (EIS 9)	4 Byte	CR TU
The active power of phase L3 can be read via this bus communication object.				

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Parameters

General Parameters

General	
Delay time after bus voltage recovery	10 seconds
Sending of data	cyclical
Cycle time for cyclical sending	10 minutes

Parameter	Settings
Delay time after bus voltage recovery	10 seconds
Telegrams are sent after a fixed delay of 10 seconds following bus voltage recovery.	
Sending of data	Using read request only
	cyclical
This parameter determines the send condition. „using read request only“: The current meter value is only sent after a read request. „cyclical“: The current meter value is sent cyclically with a time interval defined by parameter „Interval for cyclical sending“.	
Cycle time for cyclical sending	10 seconds 30 seconds 1 minute 2 minutes 5 minutes 10 minutes 15 minutes 30 minutes 1 hour 2 hours 6 hours 8 hours 12 hours 24 hours 2 days 7 days 14 days
This sets the time interval for cyclical sending. The bus load should be obeyed when setting the time interval.	

Note

The bus load is affected by setting the interval for cyclical sending.