

Analogue modem for remote meter reading DM130

The DM130 modem makes remote reading of meters with serial interfaces possible via analogue telephone lines.

The meter data (energy register, load profiles) will be transmitted in transparent mode via different interfaces. Using this modem other data collectors can be read out too. An additional power supply for devices with battery is available.

Features

- Wide range power supply
100-230 VAC
- Applicable in analogue telephone networks
- Status of operational mode through LED:
 - Power : Operating / Online
 - Status : Boot / Errors
- Serial Interfaces:
 - **CL1** acc. to EN62056-21 up to 19,2 kBit/s
 - **RS232** up to 19,2kBit/s
 - **RS485** max. 32 Transceiver, 19,2 kBit/s
 - The interfaces are working in parallel. The baudrate and data format are the same for all interfaces.
- Auxiliary power supply
- Time window for calls received
- Internal clock with back-up
- Password protection
- Transparent readout of the meter data
- Programming locally via DIP switches or remotely via phone line
- Upgrade of firmware locally via RS232 interface

Housing

The housing of the modem is designed according to DIN 43861-2 (to be mounted onto a meter board or terminal cover).



Power Supply:	Voltage range	100 - 230V AC, 50Hz
	Power consumption	approx. 10 VA active, ca. 6 VA passiv
Telephone connection :		Telecom-approval acc. to CTR21, EG 201121 V.22bis, V.32, V.32bis, (2,4 to 14,4 kbit/s), Data protection acc. to V.42, MNP4 Data decoding acc. V.42bis, MNP5
Interfaces:	Meter connection	CL1 (20 mA) according to EN 62056-21 Mode C up to 19,2 kbit/s
		RS232 up to 19,2 kBit/s, full duplex, (Rx, Tx, GND, DTR) via RJ-11 connector
		RS485 up to 32 Transceiver, 2-wire, 19,2 kBit/s, 1000m cable length
		fixed baudrate or baudrate switching (Mode C) data format: 8N1 or 7E1
Auxiliary power supply		9 VDC / 100 mA
Climatic conditions:	Operating temperature	-10° ... +55°C
	Storage temperature	-20° ... +80°C
	Humidity range	0 - 95 % relativ, non condensing
Protection type:		IP 51
Dimensions:	Terminal cover- or meter board	H=180mm, W=105mm, T=70mm

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