



GSM / GPRS Modem

The current stage of liberalisation in the energy market frequently requires automated meter reading even for low demand special contract customers. Device technology, which is quickly and seamlessly integrated in existing business processes and systems, is needed for the elementary reading of load profile and billing data. Another wide application area is the connection of solitary customers to a AMM/AMI installation.

The AMC 190 (G) is suited to meters for different energy types (electricity, gas, heat and water) due to its transparent mode for data transmissions, the multitude of available interfaces and its various options for mounting.

The GSM/GPRS quad-band modem AMC 190 (G) is oriented towards these tasks and complements the superior range of products from GÖRLITZ group.

GÖRLITZ
AMC 190 (G)

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The high end technology implementation allows fast and secure data transport with a speed of max. 115200 bits/s on the device side.

The easy installation and quick adaptation to changes are the prominent features of this technology. The diversity of interface options makes this modem a forerunner in its class.

The configuration is easily performed over an inbuilt configuration connector. Error correction and constant observation of the radio module ensure a secure data transfer.

The device is available in several executions with regards to interface connectivity. Main executions include CL1 interface, full featured RS232 interface or RS485 interface. The wide-range power supply enables an optional supply voltage with 110/220 V AC. Current operation status and field strength are indicated by LEDs on the front cover.

The modem supports transparent reading via the GSM network (CSD) or packet oriented reading via GPRS. The device includes all necessary functionality to connect autonomously to the GPRS service. The Modem monitors the connection and reconnects automatically in case of connectivity loss.

Reading according to IEC 62056-21 are supported by automatic baud rate switching of the modem and by a special function to avoid communication loss in case of network latency.

In GPRS mode the system supports static and dynamic IP addresses and reports the used address to the centre. The German IP-Telemetry standard for enhancement of classical AMR systems to IP-Systems is supported.

Technology (Subject to modification)

- Three-point or terminal cover mounting possible with DIN 43861 housing
- Power supply from 90 to 264 V AC
- Power consumption < 8 V A
- Devices with following interfaces are possible:
 - o CL1
 - o RS232, full handshake
 - o RS485 (half and full duplex)
- Status display by LED
- Field strength indicator
- Wide Area Network indicator
- Remote and local configuration
- Automatic restart with a programmable frequency
- GSM/GPRS quad-band modem for 900/1800/850/1900 MHz
- GPRS Class 10 functionality for automatic connection with authentication
- Monitoring of GPRS connectivity
- IP address reporting to center
- Data transmission maximum 115200 bits/s at device side
- Correction of GSM Latency issues for IEC62056-21 protocol
- Baudrate switch for IEC62056-21 protocol
- IPT functionality according to DIN 43863-4

- Working temperature range from -20° to +60°C
- Storage temperature range from -30° to +70°C
- Size 112 x 177 x 65 mm
- Weight 390 g

- Configuration software Para190

- Optional EDGE or UMTS functionality
- Optional control In-and Outputs available

Order Details

Order number

7131901100	AMC 190 (G) - CL1
7131902100	AMC 190 (G) - RS232
7131903100	AMC 190 (G) - RS485