

GSM/GPRS MODEM

AMS 100 / AMS 150

KEEC

Features

- Wide range power supply 100-230 VAC / DC
- Applicable in GSM networks with 900 / 1800 MHz
- Status of operational mode through LED:
 - **GPRS**: sent/sending/error
 - **GSM**: sent/sending/error
 - **meter**: connect/disconnect
 - **power**: On/Off/Reset
- Serial Interfaces:
 - **RS232** up to 19,2kBit/s
 - **RS485** max. 64 Transceiver, 19,2 Kbit/s
 - **CLO** up to 19,2 Kbit/s
 - **DBO** up to 9600 Kbit/s
- Auxiliary power supply
- Transparent readout of the meter data
- Programming of functions via RS485 and GSM
- Upgrade of the firmware via RS485 interface
- Upgrade setting vis Rs485 & GPRS/GSM



- AT command Mode

GPRS/GSM

- GPRS operation in server mode with fix TCP/IP address
- Leased line or dialing connection possible to the meter
- Transparent data transfer to the meter
- TCP/IP package oriented data transmission to the AMR/AMI system
- Supervision of link connection
- Authentication and data encryption
- Existing AMR/AMI system can be used furthermore
- Cost efficient charging depending on the transmitted data volume



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|---------------------------|-----------------------------|--|
| TYPE | | GSM/GPRS IEC62056-21 meter reader modem - AES100/150 |
| power supply | | 90-230VAC, 40-50Hz |
| Power Consumption | | 10 VA |
| Auxiliary power supply | | 9V-100mA |
| GSM/GPRS | quad-band | GSM 850, EGSM 900, DCS 1800, PCS 1900 |
| | GPRS connectivity | GPRS multi-slot class 10 |
| | GPRS data downlink transfer | max 85.6kbps |
| | GPRS data uplink transfer | max 42.8 kbps |
| | | Integrate the TCP/IP protocol |
| serial interface | | Support Packet Broadcasting Control Channel(PBCCCH) |
| | RS232 | up to 19,2Kbit/s |
| | RS485 | max. 64 Transceiver, 19,2 Kbit/s |
| | CLO | up to 19,2 Kbit/s |
| | DBO | up to 9600 Kbit/s |
| | transfer mode | fix & Mode C & E |
| | Dataformat | 8N1 or 7E1 |
| | pulse input | |
| | Digital input | |
| | Digital output | 2 mech relay (250V/5A) |
| Read Period | MP1: | 10, 20, 30,... minutes (programmable) |
| | MP2 | 1, 2, 3,... hours (programmable) |
| | MP3 | 1, 2, 3,... days (programmable) |
| | MP4 | 1,2,3,... months (programmable) |
| | MP5 | 1 year (programmable) |
| mechanical specifications | Length | 166 mm |
| | Width | 127mm |
| | height | 53mm |
| | bady material | ABS |
| | protection type | IP 52 |
| | Weight | 400 gr |

