

GSM/GPRS MODEM

AMS 300 / AMS 350

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
- Serial communication protocol
 - **Modbus** (default)
 - **DNP3** (optional)
 - **DLMS/COSEM** (optional)
- 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



TYPE	AES300-350	GSM/GPRS MODBUS/DNP3 modem
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	RS232	Support Packet Broadcasting Control Channel(PBCCH)
	RS485	up to 19,2Kbit/s
serial communication protocol	Modbus	max. 64 Transceiver, 19,2 Kbit/s
	Dnp3	
I/O	pulse input	2
	Digital input	2
Read Period	Digital output	2 mech relay (250V/5A)
	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
	body material	ABS
	protection type	IP 52
	Weight	400 gr

