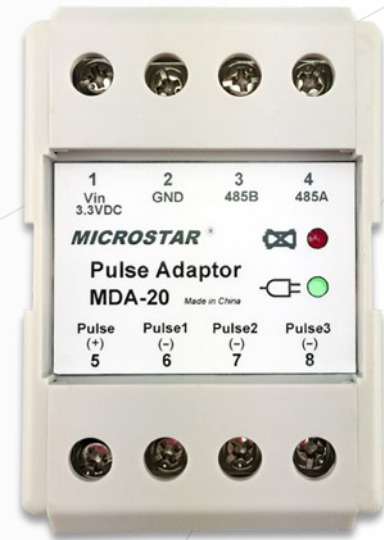


MICROSTAR

MDA-20

Pulse Adaptor

Integration of Traditional Electricity, Gas, Water Meter into AMR/AMI Systems



FEATURES

- Supports cold water, hot water, gas and electricity meters
- Ultra-low power consumption: Working Current ≤ 100 mA
- Supports DLMS/COSEM, IEC 62056-21 communication protocol
- Configurable parameters, including meter constant, initial values
- Reliable, light-weight and easy to install (DIN-rail mounted)
- Supports up-to 3 different channels of pulse input
- Stores up-to 8 months of historical data
- Battery for pulse collection during power outages
- Power and low-battery LED to indicate adaptor status
- Time of Use (TOU) revenue support, up-to 4 tariffs
- 220-240/3.3V AC-DC power adaptor for up-to 8 pulse adaptors

TECHNICAL SPECIFICATIONS

External Dimensions	80.5mm x 54.5mm x 71mm
Weight	0.3 kg
Temperature Range	-25 °C ~ +60 °C
Voltage	3.3V DC
Current	≤ 50 mA
Power Supply	220~240V AC power supply via AC/DC adapter
Local Communication	RS485
Pulse Constant Types & Unit	Electricity, Gas, Cold & Hot Water

APPLICATION

- Integrating non-smart meters into AMR/AMI system
- Gas, water and electricity meter AMR via electricity meters
- Local communication via RS485

BENEFITS

- Collect data from conventional non-smart meters
- DIN rail mount for easy installation
- High precision internal real-time clock with back up battery
- Cost effective way of adding AMR feature for existing meters



Back View



Power Adaptor