

**MICROSTAR**

**MDA-20**

*Pulse Adaptor*

**Integration of Traditional Pulse Type Electricity,  
Gas or Water Meter into AMR System**



**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 & start reading
- Reliable, light-weight and easy to install (DIN-rail mounted)
- Standard with 3 pulse input channels
- Stores up-to 8 months of historical data
- Battery back up 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
Supply Voltage	3.3 - 12V DC
Current Consumption	≤ 50 mA
Local Communication	RS485
Pulse Constant Types	Electricity, Gas, Cold & Hot Water imp/kWh, imp/m3

**APPLICATION**

- Integrating of any pulse meter to AMR system
- Read via Microstar Electricity meter or EDAT
- Local communication via RS485

**BENEFITS**

- Convert pulse meters to interval to maintain existing assets
- DIN rail mount for easy installation
- High precision internal real-time clock with back up battery
- Cost effective solution for AMR conversion of pulse meters



Back View



Power Adaptor