

AcuRev 1310

DIN Rail Power and Energy Meter
Datasheet

ACCUEENERGY



DESCRIPTION

The AcuRev 1310 DIN Rail meter is engineered for high performance and easy integration into industrial or commercial facilities. Designed for cost-effective power and energy monitoring, it features a built-in LCD to simplify setup and provide quick access to metered data. Modbus-RTU and pulse output communications allow for seamless integration with data acquisition systems.

FEATURES

- + Utility Revenue Grade Accuracy: IEC 62053-22 0.5s Class / ANSI C12.20 0.5 Class
- + Integrated DIN rail channel for easy installation on standard, TS35 (35mm) DIN rail
- + 10-690Vac direct voltage input accommodates all voltage rating systems with a single model
- + 4 channels of current input to capture neutral current measurements available in AcuRev 1314 model
- + Available compatibility with multiple CT output options including 5A, mA, RCT (Rogowski), or 333mV
- + Built-in RS-485 port with field-configurable Modbus RTU or BACnet MS/TP protocols for integration into most serial systems
- + Certified for revenue applications, the AcuRev 1310's tamper proof design is Measurement Canada approved.

KEY FEATURES

Revenue Grade Certification

- + Meeting ANSI C12.20 Class 0.5 & IEC 62053-22 Class 0.5s accuracy standards, the AcuRev 1310 delivers revenue grade, high-precision data collection in building management systems and other metering applications. RMS measurements of voltage, current, power, frequency, and power factor are collected in real time.

Measurement Canada Approved

- + The AcuRev 1310 meets stringent Measurement Canada requirements and its tamper-proof design is ideal for revenue applications.

BTL Listed

- + The AcuRev 1310 is BTL Listed for Smart Sensor (B-SS) by the BACnet Testing Laboratory to ensure standard compliance, reliability, and interoperability in multi-vendor building automation and control systems.

Universal Rating

- + Compatible with most voltage services without the need for a potential transformer (PT), the AcuRev 1310 can monitor a variety of electrical systems including three-phase three-wire, three-phase four-wire, single-phase, and more. Its four current input channels include neutral current measurement while Auto Phase-Check verifies installation integrity.

SunSpec Compliance

- + To save installation time and cost within solar PV or energy storage applications, the AcuRev 1310 Modbus register list includes standard SunSpec registers to help ensure easy integration and plug-and-play system interoperability.



APPLICATIONS

- + Energy Management Systems
- + Large Commercial Complexes
- + Industrial Environments
- + Hospitality & Hotels
- + Multi-Tenant Commercial or Residential
- + Schools & Universities
- + Smart Distribution Cabinets