

Single Phase DIN Rail Electricity Meter

This single-phase DIN rail electricity meter is a new style two-wire active energy meter. It utilizes micro-electronics technique and advanced digital and SMT techniques to accurately measure energy consumption.



Product Overview

Professional Single-Phase Energy Monitoring

The RS217(DR1-1) is a compact, high-precision electronic energy meter designed for efficient electricity consumption tracking on DIN rails. Utilizing advanced micro-electronics and SMT technology, it ensures reliable measurements across both 50Hz and 60Hz power grids. This meter is built to comply with international IEC standards, offering robust performance for residential and professional energy management applications.

Technical Standards

Accuracy Class

Class 1

Compliance	IEC62052-11, IEC62053-21
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Communication Protocol	MODBUS
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Electrical Specifications

Key Electrical Metrics

240 V

Max Rated Voltage

63 A

Maximum Current

60 Hz

Frequency

Power Consumption	<1.5W, 6VA
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Environmental & Physical

Operation Temperature	-25 to +60
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Physical Dimensions	100mm x 36mm x 65mm
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Net Weight	0.2 kg
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Features

Core Features

- Compact DIN rail mount design
- Active energy measurement despite reverse current
- Standard passive energy impulse output for calibration
- Integrated LED power impulse signal indicator
- 15-year estimated lifespan