

DIN Rail AC Multi-Channel Power Meter

This DIN rail power meter accurately measures electrical energy in three-phase AC systems. Equipped with RS485 communication, it monitors voltage and current across multiple channels.



ADDITIONAL IMAGES



Overview

Multi-Channel Power Metering Solution

The MCM series multi-channel power meter is specifically engineered for monitoring feeder loops, providing comprehensive electrical parameter measurement for three-phase or single-phase branch circuits. This compact device performs real-time metering, energy consumption tracking, and power quality analysis, making it ideal for residential and commercial sub-metering applications. With robust communication options and flexible input ports, it enables reliable monitoring of building electrical loads with low installation costs.

Key Features

Key Capabilities

4-Channel 3-Phase Metering, 12-Channel 1-Phase Metering, Class 0.5 Accuracy, RS-485 Modbus/RTU, Real-time Power Quality Analysis, Harmonic Measurement

Measurement Specifications

Voltage Measurement

400 VAC

Max Voltage L-L

250 VAC

Max Voltage L-N

65 Hz

Max Frequency

Current Input Options

100mA • 333mV

Measurement Range

0 - 9999A

Technical Details

Communication

- RS485 (2/3 wires half duplex)
- Modbus RTU
- Optional Ethernet

Operating Environment

Parameter	Operating	Storage
Temperature	-15 to 55	-30 to 70
Humidity	20% to 95% (No condensation)	20% to 95% (No condensation)

Auxiliary Power Supply	85-265 VAC/DC ($\pm 10\%$)
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