

Rail-Type Multifunction Energy Meter

This rail-type multifunction energy meter measures single-phase current and voltage, as well as single and three-phase power and energy. It features an RS485 communication interface along with switch input and relay output, plus an LCD display.



ADDITIONAL IMAGES



Product Overview

Comprehensive Energy Monitoring

This guide-rail multifunction energy meter is engineered for high-consumption industrial sectors, including smelting, steel, and electric welding, as well as distributed photovoltaic grid-connected systems. It simplifies energy-saving renovations by utilizing external Rogowski coils and open-type mutual inductors, which eliminate the need to remove primary busbars during installation. The device provides precise, integrated measurement of all key power parameters, including multi-rate and four-quadrant energy tracking, making it an essential tool for effective power demand-side management.

Technical Capabilities

Measurement Parameters

- Single-phase current
- Single-phase voltage
- Single-phase active/reactive power
- Single-phase power factor
- Three-phase active energy
- Three-phase reactive energy
- Harmonic analysis

Rated Current

120 A

Rated Current

Connectivity & Control

I/O Features

- Switch quantity input
- Relay output for remote control
- Remote signal capability

Communication Interface

RS485, Modbus-RTU

Design & Installation

Installation Type

Guide-rail mounted

Display Interface

LCD with panel keys for parameter setting

Applications

Suitable Industries

Smelting • Steel • Electric Welding • Semiconductor • Photovoltaic