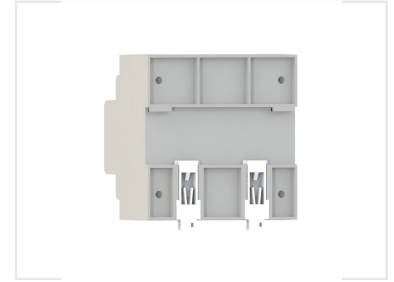


Three-Phase Smart Energy Meter with IoT

This three-phase, four-wire energy meter is designed for precise measurement of electrical energy usage. It features IoT connectivity for remote monitoring and is suitable for residential, commercial, and industrial applications.



ADDITIONAL IMAGES



Overview

Multi-Channel Power Metering Solution

The MCM series is a high-precision metering device engineered specifically for feeder loops and branch circuit monitoring. It supports simultaneous measurement of electrical parameters for up to 4 channels, offering real-time energy consumption tracking and power quality analysis. Designed for efficiency, this compact DIN-rail mounted unit helps reduce equipment investment while maintaining high reliability in diverse industrial and commercial electrical systems.

Key Features

Typical Applications

- Distribution feeders and transformers
- Generators and capacitor banks
- Medium and low voltage systems
- Remote data reading
- Industrial and commercial facilities

Core Functionality

4-Channel Metering, 0.5 Class Accuracy, Harmonic Analysis, DIN-Rail Mounting, Real-time Monitoring

Technical Specifications

Current Measurement

9999 A

Measurement Range

0.5

Accuracy Class

Voltage Measurement Range

18 - 400 VAC (L-L)

Frequency

60 Hz

Power & Connectivity

Communication

RS-485 • Modbus RTU

I/O Ports

- 1 x SPDT Relay Output (230VAC, 5A)
- Digital input for pulse signal collection

Auxiliary Power Supply

85-265 VAC/DC \pm 10%

Physical Properties

Display

1.6-inch dot matrix LCD

Mounting

Standard DIN-rail