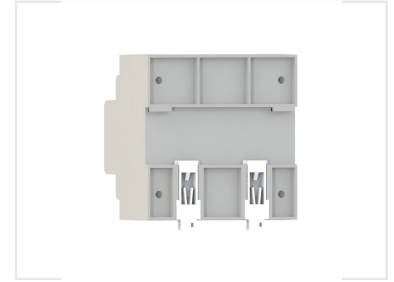


# Three-Phase Smart Energy Meter with IoT

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