

Multi-Channel Single-Phase Smart Energy Meter

This single-phase smart meter is designed for multi-channel AC energy measurement and multi-circuit monitoring. It provides accurate energy data for efficient energy management and cost optimization.



ADDITIONAL IMAGES



Overview

Advanced Multi-Channel Energy Monitoring

The MCM series is a compact, robust metering solution specifically engineered for feeder loops and multi-circuit monitoring. It provides real-time electrical parameter measurement and energy consumption tracking for up to 18 single-phase or 6 three-phase circuits. Designed for efficiency, this device helps reduce installation cost-per-point while delivering high-accuracy power quality analysis for commercial, industrial, and utility applications.

Measurement Capabilities

Channel Capacity

18 channels

Single-Phase Circuits

6 channels

Three-Phase Circuits

Accuracy Class

Class 0.5

Current Input Options

1A, 5A

Technical Specifications

Voltage Measurement Range 18 - 400 VAC (L-L)

Frequency Range 45 - 65 Hz

Auxiliary Power Supply 85-265 VAC/DC

Connectivity & I/O

Digital I/O Configuration

- 6 Channel Digital Input (DI)
- 2 Channel Digital Output (DO)

Communication Interface

RS485 (Modbus RTU)

Applications

Suitable Applications

Distribution Feeders, Transformers, Generators, Capacitor Banks, Motors, Power Quality Analysis