

# 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