

# Single Phase Electromechanical Energy Meter

This single-phase electromechanical active energy meter is designed for the accurate and reliable measurement of electricity consumption. It features a robust construction for long-life operation and is suitable for residential and light commercial applications.



## Product Overview

### Reliable Electromechanical Metering

The MS1MR2 is a high-performance single-phase electromechanical active energy meter designed for long-life operation and durability. It accurately measures active energy consumption in 50Hz or 60Hz AC electricity networks, making it ideal for both indoor and outdoor meter box installations. Built to withstand harsh conditions, it features a robust PC cover and bakelite base for excellent weatherability and fire resistance.

## Technical Specifications

### Key Performance Metrics

<b>230 V</b> Voltage Rating	<b>30 A</b> Max Current	<b>600 r/kWh</b> Meter Constant	<b>50 Hz</b> Frequency
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<b>Standards Compliance</b>	IEC 62053-11, Class 2
<b>Display Configuration</b>	5-digit drum wheel mechanical counter (6-digit optional)

## Construction & Design

### Material Composition

Component	Material / Feature
Cover	Transparent, Anti-UV PC
Base & Terminal Block	Moisture-resistant, fire-retardant bakelite
Meter Frame	High-strength molded steel plate

### Durability Features

- Magnetic thrust bottom bearing
- Lubrication graphite bush and stainless steel needle upper bearing
- Epoxy resin vacuum pouring voltage coil
- Double insulation current components
- IP52 protection rating

## Installation

### Terminal Configuration

Extended terminal cover (standard) • Short terminal cover (optional)

<b>Mounting Method</b>	Front board three-hole fixed installation
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