

Single Phase Electronic Multi-Rate Prepayment Smart Meter

This single-phase electronic smart meter is designed for residential and commercial energy measurement. It features an LCD display for energy readings and supports prepayment functionality via a card reader, with infrared communication port and pulse output for remote data access.



ADDITIONAL IMAGES



Overview

Smart Prepayment Metering Solution

The MS1EL9 is a single-phase electronic multi-rate prepayment smart meter designed for accurate active energy measurement in residential and commercial environments. It supports advanced features such as ladder rate management, load control, and convenient IC card-based electricity purchasing. With its infrared communication module and robust fault detection capabilities, this meter offers a reliable and efficient solution for modern energy management.

Technical Specifications

Standards Compliance	IEC 62053-21, IEC 62053-31, DIN 43864
Measurement Accuracy	Class 1
Operating Frequency	50 Hz
Display Configuration	7-digit LCD (6+1 format)
Communication	Far infrared communication module

Features

Prepayment Methods

- IC Card (Standard)
- Logic Encryption Card (Optional)
- Non-contact RF Card (Optional)

Operational Features

Load Control • Automatic Fault Detection • Terminal Cover Detection • Ladder Rate Support

LED Indicators

Indicator	Meaning
Green	Power State
Red	Power Impulse Signal
Yellow	Load Current Direction