

Single-Phase and Three-Phase Energy Meter for Electrical Energy Consumption Measurement

This energy meter accurately measures electrical energy consumption. It is available in single-phase two-wire and three-phase four-wire configurations and features a digital display.



ADDITIONAL IMAGES



Overview

High-Precision Energy Metering

This advanced electronic energy meter utilizes microelectronic techniques and specialized large-scale integrated circuits to ensure accurate load active energy consumption measurement. Designed for both single-phase and three-phase AC networks, it offers excellent long-term reliability and a compact, lightweight form factor. With flexible mounting options and support for remote communication protocols, it is an ideal solution for modern electrical energy management.

Technical Specifications

Key Performance Metrics

50 Hz
Frequency

100 A
Max Current

230 V
Voltage

Compliance & Standards

IEC 62053-21, IEC 62053-31, DIN EN 50022, JB/T7121-1993, DL/T645-1997, DIN 43864, CE, ISO 9001

Installation & Design

Mounting Methods

- 35mm DIN standard rail (DIN EN 50022)
- Front panel mounted (63mm or 67mm hole spacing)

Physical Design Features

Compact Size • Lightweight • Transparent Terminal Cover • 6-Pole Width

Advanced Features

Data & Communication

Feature	Description/Protocol
Communication Port	RS485 / Far Infrared
Protocol	DL/T645-1997
Pulse Output	Polarity passive energy impulse
Load Control	Optional internal load switch

Display Configurations

- 5+1 digit step motor impulse register
- 6+1 digit step motor impulse register
- Dual LCD display (Total power + Real-time power)