Single Phase Digital Energy Meter

This single-phase digital energy meter is designed for precise measurement of electrical energy consumption. It features a digital display that allows easy reading of parameters such as voltage, current, and energy.

ADDITIONAL IMAGES

Overview

Advanced Single-Phase Energy Monitoring

The KPM31 is a high-precision digital energy meter engineered with advanced microprocessor and digital signal processing technology. It provides comprehensive monitoring capabilities, including voltage, bidirectional current, active/reactive/apparent power, and frequency. Designed for reliability, it features strong anti-interference capabilities and includes a large-capacity magnetic retention relay for effective load control.

Technical Specifications

Rated Current	63 A
Current Range	5-63A
Compliance Standards	GB/T17215.322-2008

Features & Functionality

Measured Parameters

- Voltage
- Bidirectional Current
- Active Power
- Reactive Power
- Apparent Power
- Power Factor
- Frequency
- Active Energy
- Reactive Energy

Advanced Capabilities

Multi-rate Energy Statistics • 8 Time Slots/Day • 4 Tariffs • 12-Month Historical Data • Magnetic Retention Relay • Electrical Fire Monitor

Communication & Connectivity

Communication Interfaces

- RS485 (Default Modbus)
- Wi-Fi (Optional)
- Passive optical coupler collector active pulse output

Data Retention	Yes

Applications

Typical Applications

- Residential & Commercial Energy Management
- Industrial Power Monitoring
- Transformers & Generators
- Capacitors & Electric Motors
- Medium/Low Pressure Systems
- SCADA, EMS, DCS Integration