

Single Phase STS Keypad Prepaid Meter with Interchangeable Module

This single-phase prepaid meter has functions such as metering, monitoring, alarm, display, communication and load control. It utilizes the STS standard encryption algorithm to exchange information based on a token.



Overview

Smart Prepaid Metering Solution

The DDZY217(KP3-1) is a robust single-phase STS keypad prepaid meter designed for efficient energy management. It utilizes the standard STS encryption algorithm for secure token-based information exchange, ensuring high metering accuracy and reliable load control. This versatile device supports multiple communication interfaces and advanced event logging, making it an ideal choice for residential and light commercial metering needs.

Technical Specifications

Reference Voltage

- 120V
- 220V
- 230V
- 240V

Accuracy Class

Class 1

Current Rating

5(60)A, 10(80)A

Reference Frequency

50 Hz

Power Consumption

<1.5W, 6VA

RTC Deviation

d0.5/d

Operating Environment

Operating Temperature

-25°C to +60°C

Limited Operating Temperature

-40°C to +70°C

Operating Voltage Range

0.8Un - 1.2Un

Communication & Features

Key Features

- STS Standard Encryption
- UIU Support
- Time of Use (TOU) - 4 Tariffs
- Friendly Power Supply
- Anti-tamper Protection
- Event Logging

Communication Interfaces

Optical Port, RS485, PLC, RF, GPRS, 3G, Twist-wire

Physical Dimensions

Dimensions

223 mm

Length

112 mm

Width

71 mm

Height

Net Weight

0.7 kg

Compliance

Standards Compliance

IEC62052-11 • IEC62053-21 • IEC62053-23 • IEC62055-31 • IEC62055-41 • IEC62055-51