

# 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