

Three-Phase STS Keypad Prepaid Meter

This three-phase STS keypad prepaid meter provides metering, monitoring, alarm, display, communication, and load control. It uses STS standard encryption to exchange information based on a TOKEN.



Overview

Advanced Three-Phase STS Metering

The DTZY217(KP1-1) is a high-precision three-phase prepaid electricity meter utilizing the STS standard encryption algorithm for secure credit management. Designed for robust industrial and commercial monitoring, it features comprehensive load control, event logging, and integrated tamper detection. With a user-friendly keypad interface and reliable performance across varying voltage ranges, it provides a secure and efficient solution for energy management.

Technical Specifications

Reference Voltage

- 3x220/380V
- 3x230/400V
- 3x240/415V
- 3x120/208V

Current Rating

- 5(80)A
- 10(100)A

Power Consumption

1.5 W

Active Power

6 VA

Apparent Power

Accuracy Class

Active: Class 1, Reactive: Class 2

Reference Frequency

50 Hz

Environmental & Physical

Operating Temperature

-25°C to +60°C

Dimensions

290mm(L) x 170mm(W) x 85mm(H)

Net Weight

2.6 kg

Expected Service Life

15 years

Compliance & Security

Tamper Detection Features

Current Reverse • Magnetic Influence • Phase Bypass • Meter Cover Open • Terminal Cover Open

Standards Compliance

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