

P2565 Series Digital Meter



1 Overview

With large-scale integrated circuit, digital sampling processing technology, and SMT process, P2565 series Digital Meter is designed and manufactured to satisfy the monitoring needs in power systems, industrial and mining enterprises, public facilities, intelligent buildings, and intelligent communities. It can measure all common power parameters with high precision, such as three-phase voltage, three-phase current, active power, reactive power, frequency, power factor, active energy, and reactive energy. High-speed RS485 communication interface is optional, and the Modbus protocol and DL/T 645-2007 protocol are supported; there are four programming keys on the instrument panel to easily realize display switching and instrument parameter programming settings on site with strong flexibility.

The instrument has a very high performance-price ratio, and can directly replace conventional power transmitters, measurement and indication instruments, energy metering instruments and related auxiliary units.

2 Type Designation

P □ 2565 □ - □ □ - □

Expansion function code

T: RS485 Communication DI: Switching input

DO: Switching output AO: Analog transmission

Note: By default: no this expansion function is available for this instrument; Arabic numbers in the front of the code means the number of circuits; for example, two-circuit relay output is indicated by "2DO".

Display mode code

S: Digital tube, Y: LCD

Outline dimension code (including panel size)

48: Square (48mm*48mm) 72: Square (72mm*72mm)

80: Square(80mm*80mm) 96: Square(96mm*96mm)

120: Square (120mm*120mm)

Input signal category

L1: Single-phase AC signal L3: Three-phase AC signal

Product series code

Instrument type

Z: Combination meter (frequency, power factor, power) D: Multifunctional

A: Ammeter V: Voltmeter

Installed Digital Meter series product code

3 Product Functions and Its Features

- 3.1 Normal working conditions: Rated working voltage 400V and below, frequency 45Hz~65Hz.
- 3.2 Installation and operation conditions: storage and working temperature: -25°C ~ +55°C, relative humidity≤93%RH, no condensation, no corrosive gas, altitude < 2500m, without severe shaking, impact, and vibration.
- 3.3 Installation method: embedded installation method, drill the hole on the installation panel according to the outline dimensions of the instrument; when the instrument is built into the mounting hole, insert the clamps into the diagonal slot of the instrument, and push it firmly by hands.