

十五、DTSY1277 Three Phase Four Wire Electronic Energy Meter



Overview

DTSY1277 three phase electronic energy meter which has RS 485 interface, use three phase bi-direction power, special measurement chip and SMT manufacturing technology with high accuracy and reliability. Main references are: GB/T 17215.321—2008 Electricity metering equipment(a.c.)—Particular requirements—Part 21:Static meters for active energy(classes 1 and 2) and DL/T 645—2007 Multifunction watt hour meter protocol.

Model Specification

Model	Voltage	Current	Constant
DTSY1277	3 × 230V/400V	5(10)A, 5(60)A	1000 imp/kWh
Accuracy Class	Weight	Dimension	
1, 2	2kg	290mm × 170mm × 85mm	

Main Function

- Forward and reverse active energy, four-quadrant reactive energy measurement, based on this to set combined active and combined reactive.
- Measure bi-direction max demand, time sharing max demand and date, time, save data with time mark.
- Measure, record, display current energy meter total and each phase voltage, current, power, power factor and so on.
- Record program event, open meter cover event, power down event, time calibration event, closing/open switch event.
- Support timing frozen, instantaneous frozen, appointed frozen, daily frozen data.
- Support load record.
- Support power off reading.

Electrical Parameter

- Working Voltage: 75% ~ 115%U_b
- Withstand Voltage limit: 1.9 U_b 4 hours
- Starting Current: <0.4% I_b (Active 1 class)
- Creeping: logic anti creeping circuit.
- Power Consumption: Voltage circuit < 5VA/1.6W Current circuit < 1VA
- LCD display: 8 digit for total energy, 6 digit integer, 2 digit decimals, unit is kW · h

Climate condition

- Relative humidity: Average ≤ 75%, Max ≤ 95%
- Working temperature: -20℃ ~ +55℃
- Working temperature limit: -25℃ ~ +60℃
- Storage and transportation temperature: -25℃ ~ +70℃