

DDS146

Single Phase Electronic
Multifunctional Whole Current Meter



Overview

DDS146 is a new generation single phase multi-functional electronic meter designed for measuring energy consumption in single phase services, time of use metering with up to four tariffs and custom billing cycles allowing billing and management applications in IEC compliant countries.

Highlights

1. Low power consumption
2. Support optical and RS485 communication with DLMS protocol
3. Multi-tariff
4. Tamper-proof



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Main Feature

Measurement

1. Forward active energy and reverse measurement in tariff
2. Unidirectional or Bi-directional Measurement
3. Instantaneous values measurement

Tariff

1. Up to 4 tariffs
2. Up to 12 seasons, working days and weekend tariff scheme configurable per season
3. Up to 100 holidays configurable individually per year
4. Week table
5. Up to 10 divisions per day, weekend configurable

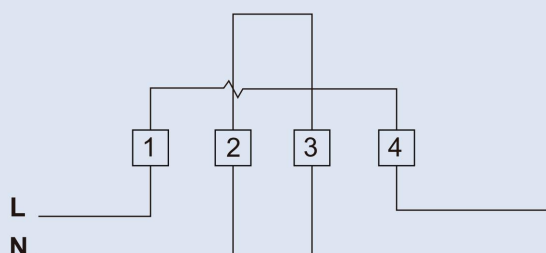
Event Record

1. Meter cover open detection and record
2. Terminal cover open detection and record
3. External magnetic detection and record
4. LCD backlight to increase readability in low light

Technical Specifications

Voltage	Reference	220V, 230V, 240V
	Operating range	0.8-1.15Un
Frequency		50Hz or 60Hz
Current	Basic Current (Ib)	5A, 10A
	Maximum Current (Imax)	40A, 60A, 80A, 100A
Accuracy	Active(and apparent)	CL1.0
	Reactive	CL2.0
Typical Power Consumption	Voltage circuit active / apparent power at Un	≤2W
	Current circuit apparent power at Ib	≤10VA
Degree of Protection		IP54
Weight of Meter		0.52kg
Dimensions		225.1 mm (L) ×114 mm (W) ×58.6 mm (H)
Meter Service Life		>10years

Connection diagram



Dimension diagram

