

DDS238(E1301)

single phase three wire kWh meter



E1301-1

E1301-2

The meter is designed to measure single phase three wire AC active energy in north and south America market. It adopt LSI and SMT technology, the key component are long life international brand product. All of its functions comply with the relative technical requirement for class 1 single phase watt hour meter in IEC62053-21. It is a long life meter with the advantage of high stability, high over load capability, low power loss and compact size.

Basic Function

- LCD display 5+2 decimal kWh
- Bi-directional total active energy measurement, reverse active energy measure in the total active energy
- Reverse LED indicates the reverse current direction or wire reverse connect
- Power on LED indication
- Pulse LED indicates working of meter
- Two type of cases(protective-class I and II) are available

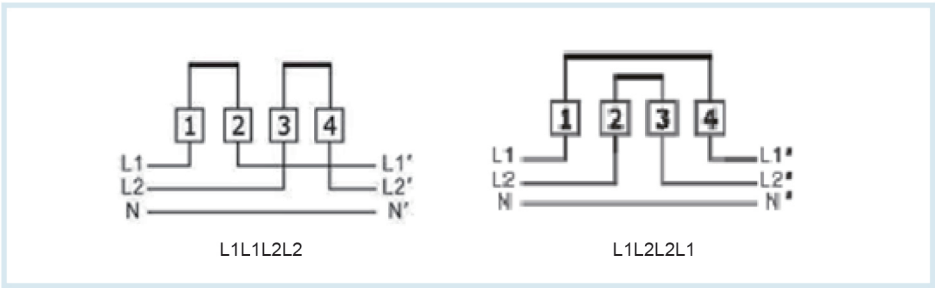
Optional Function

- Supper capacity for display 48 hours when power off
- Ultrasonic weld sealing between meter cover and meter base, not used screw
- Active/Reactive energy measure , display step by step

Technical Data

Rate voltage	110/220V (L1-L2=220V L1-N=110V L2-N=110V ,N line not pass through the meter)
Working voltage range	0.8 ~ 1.2Un
Rate Current	5(60)A, 10(100)A, 5(100)A or special required
Frequency	60Hz
Connection mode	Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<2W/10VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2 μ s waveform
IP grade	IP51 or IP54
Constant	800 ~ 3200 imp/kWh
Led Pulse output	Passive pulse, pulse width is 80 ± 5 ms
Executive standard	IEC62053-21, IEC62052-11
Work temperature	-30℃ ~ 70℃
Plastic case	Anti-fire and ultraviolet rays PC raw material
Outline dimension LXXH	145x105x50.5mm (short terminal cover L1)
	175x105x50.5mm (Long terminal cover L2)

Wire connection



Outline dimension

