

DDS238 (E1201)

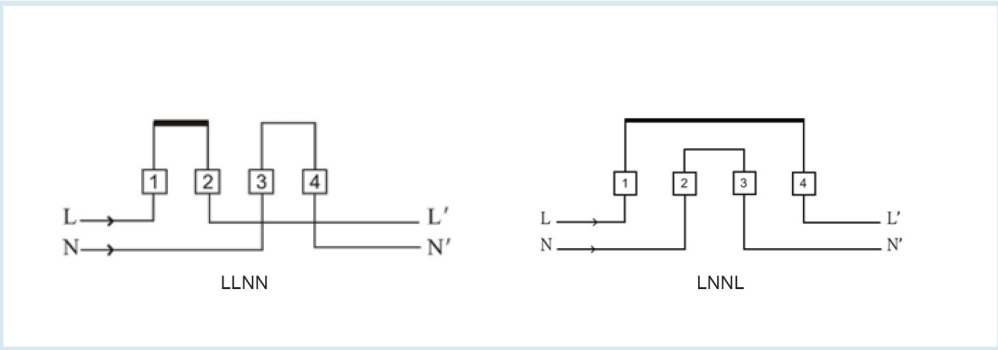
single phase static kWh meter



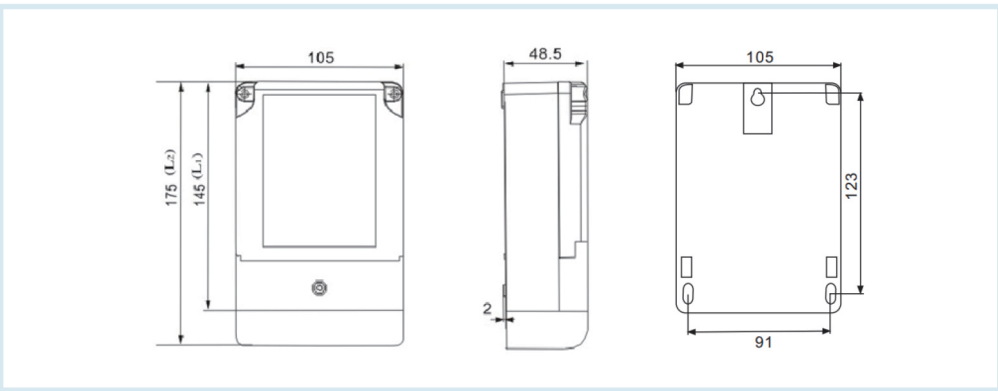
Technical Data

Rate voltage	110V,120V,220V,230,240V (0.8 ~ 1.2Un)
Rate Current	10(40)A, 5(60)A, 10(100)A, or special required
Frequency	50Hz or 60Hz
Connection mode	Direct type
Accuracy class	1.0
Power consumption	<1W/10VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2 μs waveform
IP grade	IP51 or IP54
Constant	800 ~ 6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80 ± 5 ms
Executive standard	IEC61036, IEC62053-21, IEC62052-11
Work temperature	-30℃ ~ 70℃
Plastic case	Anti-fire and ultraviolet rays PC raw material
Outline dimension LXMxH	145x105x50.5mm (short terminal cover L1) 175x105x50.5mm (Long terminal cover L2)

Wire connection



Outline dimension



The meter is designed to measure single phase two wire AC active energy. 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

- Mechanical step register 5+1 or LCD display 5+2 or 6+1
- Bi-directional total active energy measurement, reverse active energy measure in the total active energy
- Analogue display meter have two LED indication for impulse , reverse connection
- LCD display meter three LED indication for impulse, power on, reverse connection
- Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- Reverse LED indicates the reverse current direction or wire reverse connect
- For LCD display type meter, Energy data can store in memory chip more than 15 years after power off
- Two type of cases(protective-class I and II) are available

Optional Function

- Battery for display when power off
- Supper capacity for display last 48 hours when power off
- Ultrasonic weld sealing between meter cover and meter base, not used screw
- Anti-tamper function: also measure when connect to earth, bypass, or add resistor in circuit. If phase line and neutral line load is different >12.5%, the meter will also measure
- magnetic interference indication