

DDS238 single phase anti-tamper watt hour meter (E1216)



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

- ★LCD display 6+2(default), 5+2, 6+1
- ★Bi-directional total active energy measurement, reverse active energy measure in the total active energy
- ★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 measure as the bigger load circuit. there is three LED indication: tamper, power, impulse LED.
- ★Impulse LED indicates working of meter, Pulse output with optical coupling isolation
- ★Magnetic tamper detection
- ★Insulated protective-class II, Case protective class IP54 by IEC60529

Optional Function

- ★The meter can measure when missing neutral line
- ★Supper capacity for display 48 hours when power off

Noting : other voltage , current are also available . Other function also can be special design as customer requirement

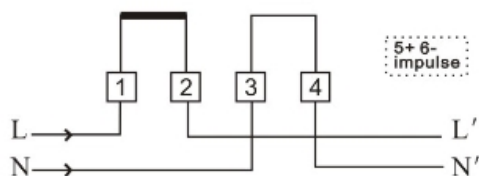
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- ★Ultrasonic weld sealing between meter cover and meter base , not used screw
- ★Open terminal cover tamper detection

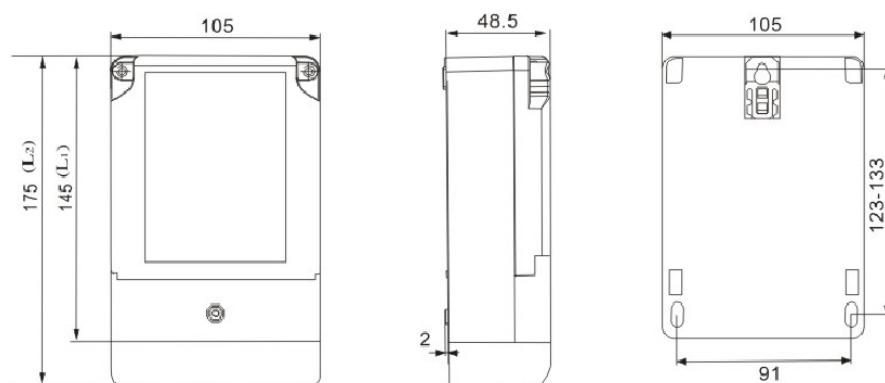
Technical Data

| | |
|-------------------------|---|
| Rate voltage | 110V,120V,220V,230,240V |
| Working voltage range | 0.8~1.2Un |
| Rate Current | 5(60)A,10(100)A, 5(100)A, or special required |
| Frequency | 50Hz or 60Hz |
| Connection mode | Direct type |
| Display | LCD |
| Accuracy class | 1.0 |
| Power consumption | <1W/10VA |
| Start current | 0.004Ib |
| AC voltage withstand | 4000V/25mA for 60 sec |
| Impulse Voltage | 6kV 1.2μs 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°C~70°C |
| Outline dimension LXMXH | 145x105x50.5mm (short terminal cover L1) 175x105x50.5mm (Long terminal cover L2) |
| Weight | Approx 0.4kg |

Wire connection



Outline dimension



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