

DDS238t single phase anti-tamper type static watt hour meter (E1208)



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 anti-tamper function.

Basic Function

- ★Mechanical step register 5 integers +1 decimal, anti-reverse protection
- ★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, reverse, impulse LED.
- ★Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- ★Insulated protective-class II, case protective class IP54 by IEC60529
- ★Bakelite meter base, glass meter cover, ABS terminal cover

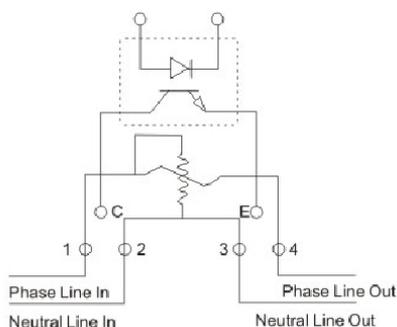
| LED indication | Display format |
|----------------|--|
| Impulse | Flash when there is load and is working |
| Reverse | Light when phase Incoming and outgoing interchanged or when neutral Incoming and outgoing interchanged |
| Tamper | Light when phase load and neutral load different >12.5% and power >40W.(such as to earth) |

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Technical Data

| | |
|---------------------------|---------------------------------------|
| Rate voltage | 240V |
| Working voltage range | 0.8~1.2Un |
| Rate Current | 10(60)A |
| Frequency | 60Hz±5% |
| Connection mode | Direct type |
| Display | mechanical step register |
| Accuracy class | 1.0 |
| Power consumption | <0.5W/10VA |
| Start current | 0.004Ib |
| Constant | 1600 imp/kWh |
| Pulse output | Passive pulse, pulse width is 80±5 ms |
| Short time over-current | 2000A |
| Voltage circuit | 《0.5W/5VA |
| Current circuit | 《0.2VA |
| AC voltage withstand | 4000V/25mA for 60 sec |
| Impulse voltage withstand | 1.2/50us pulse waveform 6kV |
| Executive standard | IEC62053-21, IEC62052-11 |
| Work temperature | -30°C~75°C |
| Storage temperature | -40°C~80°C |
| Outline dimension LXMxH | 189x150x73mm (long terminal cover) |

Wire connection



Outline dimension

