

## DDS238-2 SW single phase din rail type watt hour meter (D1203)



The meter is designed to measure single phase two wire AC active energy like residential, utility and industrial application. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.

### Basic Function

- ★LCD display with backlight
- ★Bi-directional total active energy, reverse active energy measure in the total active energy
- ★The meter also display real voltage, real current, real power, real power factor, real frequency, import active energy, export active energy, resettable interval energy
- ★Keypad for LCD display step by step
- ★Reset energy function(the reset energy kWh display is dependent with the total energy display, this reset will not affect the total energy)
- ★Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- ★Energy data can store in memory chip more than 15 years after power off
- ★35mm din rail installation

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

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### Technical Data

Rate voltage	110V,120V,220V,230,240V
Working voltage range	0.8~1.2Un
Rate Current	5(65)A, 10(100)A, or special required
Frequency	50Hz or 60Hz±10%
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
Over current withstand	30I <sub>max</sub> for 0.01s
IP grade	IP20
Constant	1000~2000 imp/kWh
Pulse output	Passive pulse, pulse width is 80±5 ms 5~27VDC, Max current input 27mA DC
Executive standard	DIN 43880, IEC62053-21, IEC62052-11
Outline dimension LXMxH	100x36x65mm
Weight	Approx 0.13kg

### Accuracy

Voltage	0.5%
Current	0.5%
Frequency	0.5%
Power Factor	1%
Active power	±1%
Reactive Power	±2%
Active Energy (kWh)	Class 1.0

### Environment

Operating temperature	-25°C~55°C
Storage temperature	-40°C~80°C
Reference temperature	23°C±2°C
Relative humidity	0 to 95%, non-condensing
Altitude	Up to 2500m
Warm up time	10s

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Mechanical Environment	M1
Electromagnetic Environment	E2
Degree of pollution	2

### Wire connection

PHOTO 1

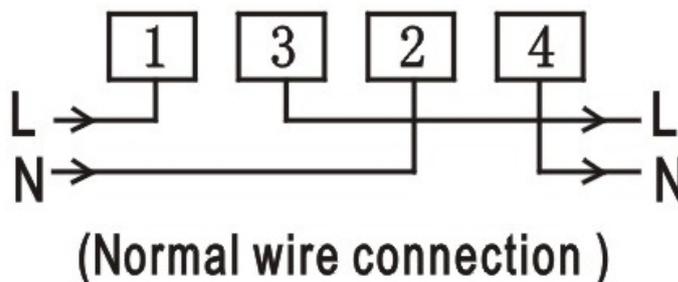
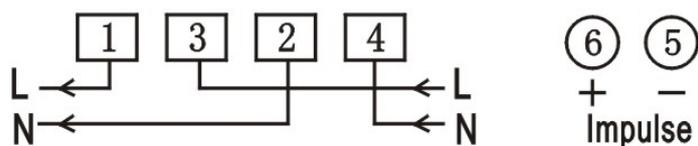
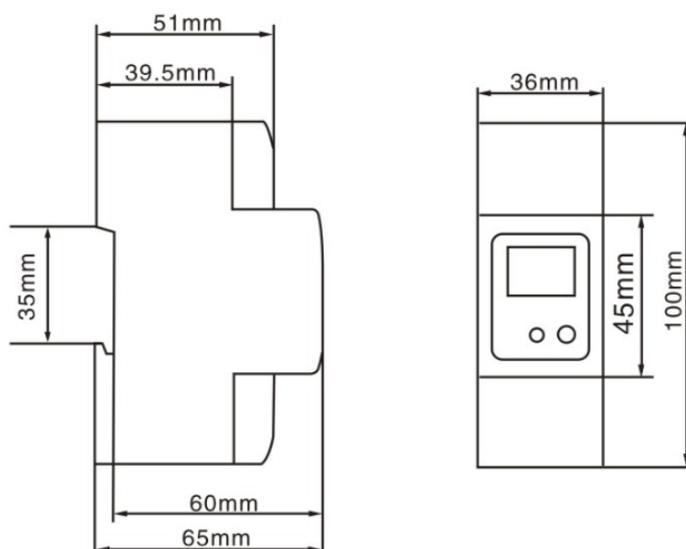


PHOTO 2



Note: If reverse wire connection as photo 2, the total energy still can measure

### Outline dimension



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