DDS238 (E1208)
single phase RS485 type static kWh meter(E1208)

HIKING
Smart meter for IoT

E1208-1   E1208-2   E1208-3   E1208-4

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. It has RS485 remote reading communication port and its data communication rules obey the requirement of MODBUS. It is a long life meter with the advantage of high stability, high over load capability, low power loss and compact size.
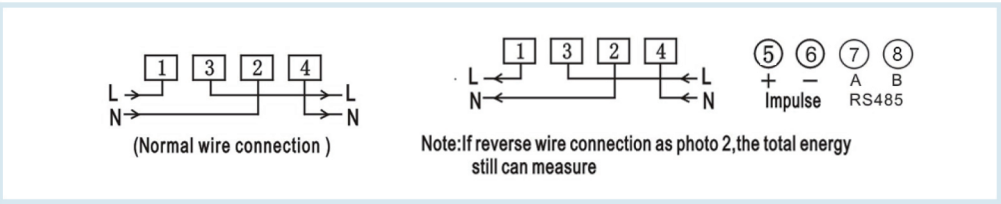
Basic Function

■ LCD display 6+2 kWh
■ Bi-directional total active energy, reverse active energy measure in the total active energy
■ You can read data of real voltage ,current ,active power ,power factor , frequency from RS485 –Modbus-RTU
■ Pulse LED indicates working of meter, Pulse output with optical coupling isolation
■ Reverse LED indicates current reverse
■ All data store for 15 years at power failure
■ Infrared and RS485 communication port

Optional Function

■ Remote control function, the meter has function of remote control on/off through RS-485 by meter internal relay
■ The meter can measure and display the total forward/reverse active energy for solar system measure

Wire connection

(Normal wire connection)

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

Technical Data

Rate voltage	110V,120V,220V,230,240V
Working voltage range	0.8 ～ 1.2Un
Rate Current	1.5(6)A, 5(60)A, 10(60)A,10(100)A or special required
Frequency	50Hz or 60Hz
Connection mode	CT type or 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 1.2 μ s waveform
IP grade	IP51 or IP54
Constant	800 ～ 6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80 ± 5 ms
Communication port	RS485 port, 1200 ～ 9600bps
	Infrared port 1200 bps
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）

Outline dimension

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