

DDS238-2 ZN/SR(D1214)

single phase din rail type RS485 multi-function energy meter



The meter is designed to measure single phase two wire AC active energy/reactive energy and variable parameter like residential, utility and industrial application. It has remote read and control function from RS485 communication port. 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 , keypad for LCD display step by step
- Bi-directional measure ,it can display total active energy, positive active energy and reverse active energy separately
- The meter also display real voltage, current, active power, reactive power , power factor, frequency, total active energy, import active energy, export active energy, reactive energy resettable interval energy
- Remote control on/off with internal magnetic keeping relay ,and have Led indication
- RS485 communication port, MODBUS-RTU protocol
- Active 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

Technical Data

D1214

Rate voltage AC	90 ~ 300V (L-N)		
Rate Current / Frequency	5(65)A / 50Hz or 60Hz ± 10%		
Communication port	RS485 port, baud rate 1200 ~ 9600 bps, default is 9600bps, address 1 ~ 247, None parity, stop bits 1, data bits 8 .		
Connection mode	Direct type	Accuracy class	1% or 0.5%
Power consumption	<2W/10VA	Start current	0.004Ib
AC voltage withstand	4000V/25mA for60s	Over current withstand	30I _{max} for 0.01s
IP grade	IP20	Executive standard	IEC62053-21 DIN 43880
Work temperature	-25℃ ~ 70℃	Pulse output	Passive pulse, 80 ± 5 ms

Wire connection



Outline dimension

