

# DTS238-7 ZN(D3707)

## three phase din rail type multi-function energy meter

The meter is used in three phase four wire power grid. The meter is designed to measure AC active energy and variable parameter. It has remote read communication port RS485. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.



D3707

### Basic Function

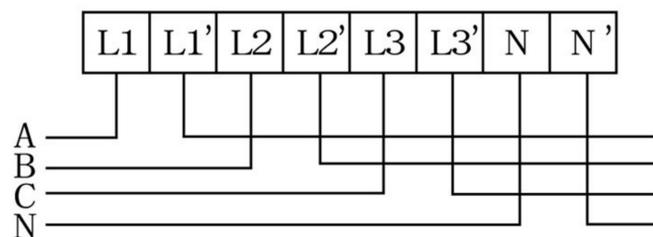
- LCD display with backlight , Keypad for LCD display step by step
- Active and reactive energy measurement, reverse active/energy measure in the total active/reactive energy
- The meter also display real voltage, current, active power, reactive power , power factor, frequency, import active energy, export active energy, resettable interval energy
- The meter has 14 programmable interval tables, of which can set up to 14 intervals as four tariff during 24 hours, the minimum units of each tariff interval can be set up as 1 minute
- Energy frozen monthly(last 12 months), all data store for 10 years at power failure
- Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- Loss phase indication in LCD
- RS485 communication port, MODBUS-RTU protocol
- 35mm din rail installation

### Technical Data

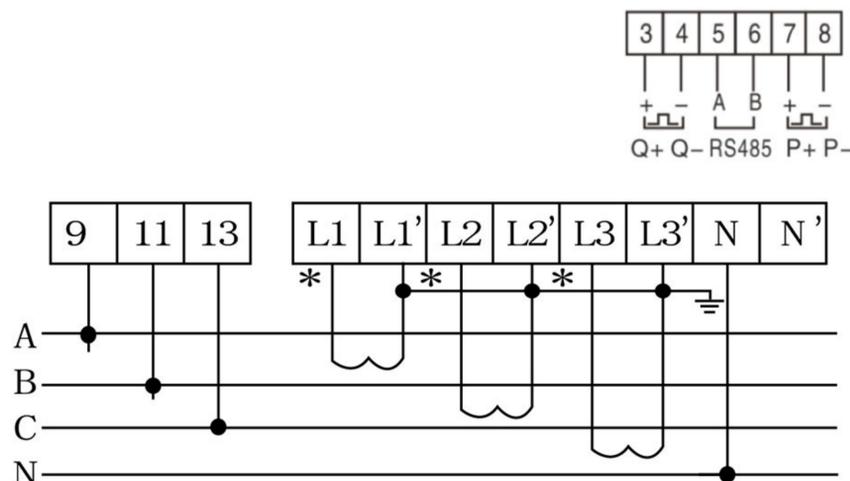
Rate voltage AC	3x120/208V, 3x220/380V, 3x230/400V, 3x240/415V (0.8~1.2Un)		
Rate Current / Frequency	5A/CT ,1.5(6)A ,5(60)A , 10(100)A / 50Hz or 60Hz ± 10%		
Communication port	RS485 port, baud rate 1200~9600 bps, default is 9600bps, address 1~247, None parity, stop bits 1, data bits 8.		
Connection mode	CT or Direct type	Accuracy class	1% or 0.5%
Power consumption	<2W/10VA	Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60s	Over current withstand	30Imax for 0.01s
IP grade	IP20	Executive standard	IEC62053-21 IEC62052-11
Work temperature	-25℃ ~70℃	Pulse output	Passive pulse, 80 ± 5 ms

### Wire connection

(1)three phase four wire direct connection



(2)three phase four wire through current transformer connection



### Outline dimension

