

# DTS238(E3401)

## three phase static kWh meter



3401-1



3401-2



3401-3



3401-4

### Technical Data

Rate voltage	DTS238 three phase four wire 3x57.7/100V, 3x127/220V, 3x120/208V, 3x220/380V, 3x230/400V, 3x240/415V DSS238 two phase three wire / three phase three wire 2X120/208V, 3x127/220V, 3x220V, 3x380V
Working voltage range	0.8 ~ 1.2Un
Rate Current	5A/CT, 1.5(6)A, 5(30)A, 10(40)A, 5(60)A, 20(80)A, 10(100)A, 5(100)A, or other as required
Frequency	50Hz or 60Hz
Connection mode	CT type or Direct type
Accuracy class	1.0
Power consumption	<0.5W/8VA each phase
Start current	0.004lb
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2 $\mu$ s waveform
IP grade	IP51 or IP54
Constant	400 ~ 6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80 ± 5 ms
Executive standard	IEC62053-21, IEC62052-11
Work temperature	-30°C ~ 70°C
Plastic case	Anti-fire and ultraviolet rays PC raw material
Outline dimension LMXH	215x145x62.5mm (short terminal cover L1) 260x145x62.5mm (long terminal cover L2)

### Wire connection

The meter is used in three phase four wire power grid. The meter is designed to measure AC active energy. All of its functions comply with the relative technical requirement for class 1 three 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.

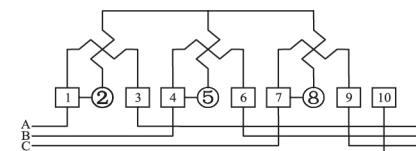
### Basic Function

- Mechanical step register 5+1 or 6 digit no decimal , or LCD display 5+2 or 6+1
- Bi-directional total active energy measurement, reverse active energy measure in the total active energy
- Three phase power supply, the meter also measure when loss one phase(any one wire in three phase three wire) or when loss two phase(any two in three phase four wire)
- Loss phase LED indicates working of phase
- Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- For LCD display type meter, Energy data can store in memory chip more than 15 years after power off
- Two type of cases(protective-class I and II) are available

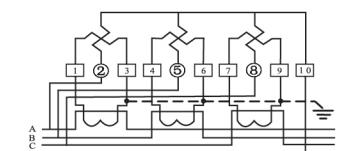
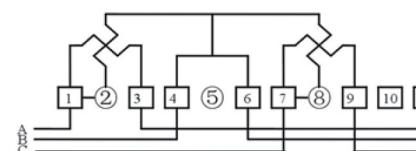
### Optional Function

- Internal connection between the voltage circuit hook and current circuit hook in order to anti-tamer
- Battery for display when power off
- Supper capacity for display last 48 hours when power off
- Ultrasonic weld sealing between meter cover and meter base, not used screw

(1) Three phase four wire direct connection (2) Three phase four wire through current transformer connection



(symmetrical wire connection also can do ABCNNCBA)



### Outline dimension

