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## DTS450 three phase electric meter



DTS450/DSS450 three-phase static active watt-hour meter is designed for measuring active energy by connecting to industrial power supply system, which has firm structure, good appearance and wide practicability. It has high reliability for the adoption of large-scale integrating and SMT technology . We can design the meter with different functions according to user requirement, so it can be wildly utilized in transmission & distribution system and Automatic meter reading system.

### Basic functions

- Accumulative bi-directional active energy measurement;
- One register displays energy value;
- LED operation indicator;
- LED indicator for power failure;(for 4 wire meter)
- Passive pulse output with optical coupling isolation;

### Optional functions

- RS-485 and infrared interface;
- Store total energy of each last 12 months;
- Active total energy frozen by broadcasting frozen command;
- Transformer connected;
- LCD displays energy value.

### Technical Data

- Applicable Standard: IEC 61036-2000
- Power loss: less than 1.5W or 2VA
- Working temperature: -30℃~+65℃
- Working voltage range: 0.7~1.2Un
- Accuracy class: class1,class2
- starting current: less than 0.005Ib



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### Specifications

DTS450 four-wire series		DSS450 four-wire series	
3×57.7/100V	3×1.5(6)A	3×100V	3×1.5(6)A
3×220/380V	3×1.5(6)A	3×380V	3×1.5(6)A
3×20/380V	3×2.5(10)A	3×380V	3×2.5(10)A
3×20/380V	3×5(20)A	3×380V	3×5(20)A
3×20/380V	3×10(40)A	3×380V	3×10(40)A
3×20/380V	3×15(80)A	3×380V	3×15(60)A
3×20/380V	3×20(80)A	3×380V	3×20(80)A
3×20/380V	3×30(100)A	3×380V	3×30(100)A

### Outline & installation size

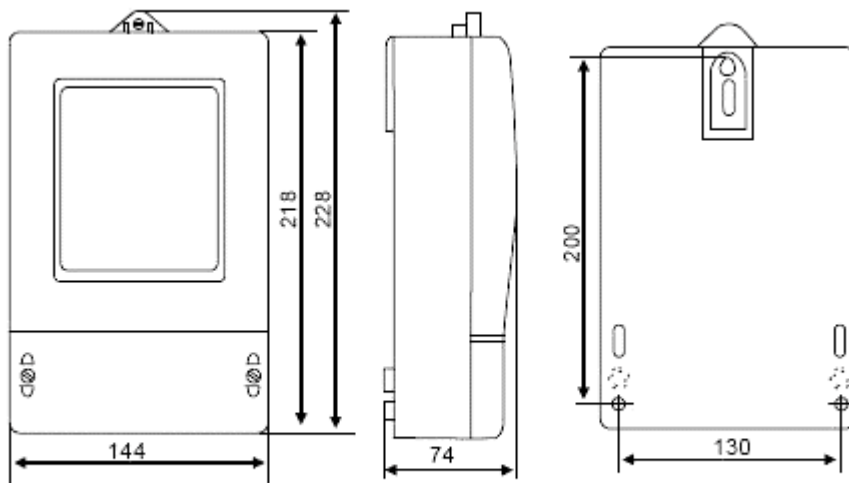
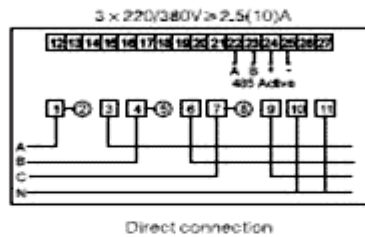
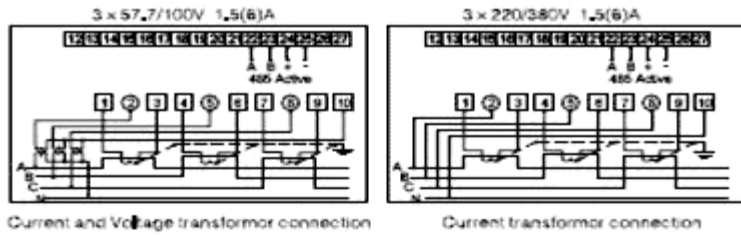


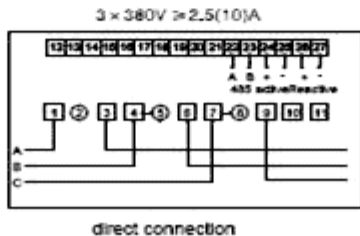
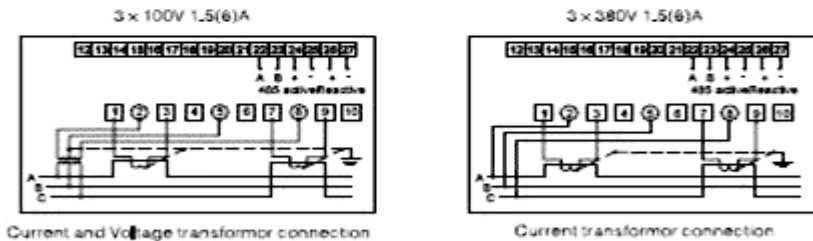
Diagram of installation size of moulded case watt-hour meter

### Connections

There are three types connection methods including current and voltage transformer connection, current transformer connection and direct connection, which are shown as follows:



DTS450 series connection diagrams



DSS450 series connection diagrams

### Transport and Storage

The meter shall be handled carefully to avoid severe shock during transport, It should be transported and stored according to the requirements specified in the national standard GB/T15464-1995 "General Technical Requirements for Packaging of Instruments and Apparatus".

The meter shall be stored on the shelves with its original package, the stacking height shall not more than five layers. Keep the storage place clean. The storage temperature shall be within 0~40 and the relative humidity is less than 85%.

There's no injurant in the atmosphere which result in corrosion. Identification No. of the meter.

The ID No. of the meter is the same as the number stated in the name plate.