

## DTSF833/DSSF833 Three Phase Electronic Multi-rate Energy Meter



### Application

DTSF833/DSSF833 three-phase multi-rate electronic meter is a kind of three phase three tariffs (time-sharing billing) active energy watt-hour meter, the meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net, it is use for setting indoor or out door meter box. This meter has seven digits LCD monitors shows various consumption data and information. And there are far infrared and RS485 communication module in it. It is use for setting and reading the meter. Contact with all kind of AMR system conveniently. It has following features: Good reliability, light weight, specious nice appearance, convenient installation, etc.

### Functions and features

- Front board three fixed holes installation, up and down mounting holes center distance is 198-212 mm, users can choose any one by themselves.
- Have three tariffs, may select 12 daily period of times. You can set the date arbitrary which can automatic read the meter every month. May select single tariff function in weekend. (Please specified when ordering)
- There is a clock and Maintenance-free backup lithium batteries in it. Battery capacity detection and display all the time. It can keep the electricity data for 12 months. The data can be kept forever after power cut off.
- May select cycle display (default) or push the button itemized display, we can set the cycle display, it can display 14 data at most. Can select the data which displayed. The decimal median which displayed can choose set one or two.
- There is a polarity port of pulse output passive closed and a no polarity port of pulse output passive distant, the output rate is 10 or 100 imp/kWh (can select), Complying with standard IEC 62053-31 and DIN 43864.
- There are far infrared and a port of RS485 communication data. It is use for setting and reading the meter. Set and operation have password protection, communication protocol complying with standard DL/T645-1997. Ten LED instructions respectively power state, signal of power impulse, the direction of the trend of load current, the state rates just now and the data communications state.
- Single direction three components measure three phase four wire active power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration for direct connect and use, type 1 connection, we can also choose another type of connection, and use CT and PT & CT, type connection for operation.
- Standard configuration short terminals cover, may select extended terminals cover, in order to protect to use electricity safely.

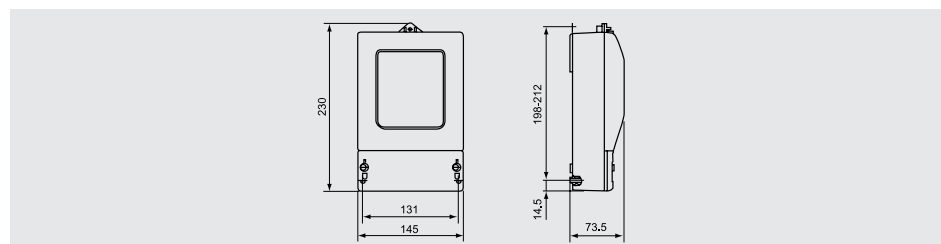


### Technical parameters

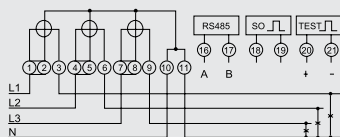
Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting current	Insulation performance
DTSF833	Class1	3 x 127/230 3 x 230/400	5(30) 10(60) 20(100)	0.02 0.04 0.08	AC voltage 4kV for 1 minute, 1.2/50us waveform impulse voltage 6kV

\* If you need different reference voltage or current specification, please advisory our sales.

### Outer and mount dimension



### Wiring diagram (Type 1)



Terminals	Note	Terminals	Note
1	Inlet L1 phase line	10	Inlet neutral line
3	Outgoing L1 phase line	11	Outgoing neutral line
4	Inlet L2 phase line		
6	Outgoing L2 phase line	16 and 17	Port of RS485 data communication
7	Inlet L3 phase line	18 and 19	Port of pulse output passive distant
9	Outgoing L3 phase line	20 and 21	Port of pulse output passive closed