

DT862/DS862 Three Phase Electromechanical Energy Meter



Application

Model DT862/DS862 three phase four wire electromechanical front board installed active energy meter is a kind of new style three phase four wire active energy meter, fully absorb new technology about electromechanical meter from domestic and abroad. The meter completely accords with relevant technical requirements of class 2 three phase active energy meter stipulated in International standard IEC 62053-11. 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.

Functions and features

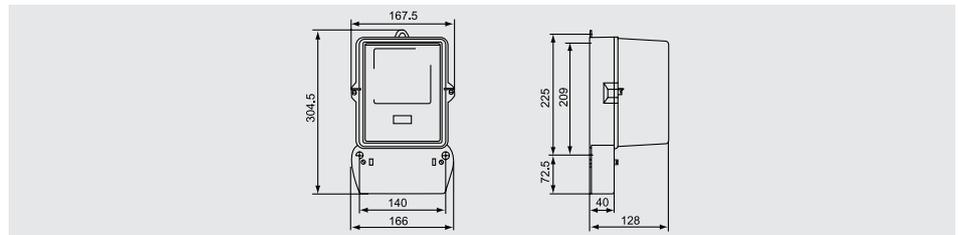
- Front board three fixed installation, the cover is made of PC material which is transparent and anti-UV molded overall, the base of the meter is made of black glass fiber which can be fire-retardant and is enhanced PC material, the terminal block is made of excellent quality bakelite material which is moisture-resistant, fire-retardant, high temperature molded overall. It has following features: good weatherability, anti-impact, specious appearance, etc.
- The meter frame is adopt aluminum molding with excellent mechanical strength, stable structure and anti-impact.
- Voltage components and current components are used of double insulation structure, switch has good electrical characteristics.
- Standard configuration the meter is adopt magnetic thrust bottom bearing, oriented bearing is made of lubrication graphite bush and stainless steel needle. It has following features: small abrasion, long life and minimal friction, etc. You may select doule gem bearing .
- All kinds of error adjustment mechanism adopt no step shifting mechanism. The meter starting and creeping needn to be adjusted which is finished by anti-creeping hole of disc and convenient for adjusting by users.
- Standard configuration 5 digits display by drum wheel mechanical counter, you may select 6 digits display by drum wheel mechanical counter.
- Standard configuration without the device which can prevent retrograde, you may select additional the function of prevent retrograde.
- Three components measuring three phase four wire active energy consumption. complys with standard IEC 62053-11.
- Standard configuration for direct connecting operation, type B wiring, we can also choose another type of wiring, and use CT, type A wiring, and PT & CT, type A wiring for operation.
- Extension terminals cover, it is for protecting use electrical safety.

Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting current (A)	Insulation performance
DT862	Class 2	3 x 127/220	5(30)	0.025	AC voltage 4kV for 1 minute, 1.2/50us waveform impulse voltage 8kV
		3 x 230/400	10(60) 20(120)	0.05 0.1	

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

Outer and mount dimension



Wiring diagram

Type A

Type B

Terminal	Note
1	L1.CT in
3	L1.CT out
4	L2.CT in
6	L2.CT out
7	L3.CT in
9	L3.CT out
2	L1
5	L2
8	L3
10	neutral line
14 and 15	CT
16 and 17	RS485
18 and 19	Impulse out
20 and 21	Impulse out

Terminal	Note
1	L1 in
3	L1 out
4	L2 in
6	L2 out
7	L3 in
9	L3 out
10	neutral line in
11	neutral line out