

DT833

Three Phase Long-life Electromechanical Energy Meter



Application

Model DT833 three phase four wire electromechanical front board installed active energy meter is a kind of new style three phase four wire active energy meter, it is on the basis of original three phase electromechanical meter, and fully absorb new technologies about electromechanical meter from domestic and abroad, and development long-life technology . The meter completely accord 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, and it can display total energy consumption by drum wheel mechanical counter. It has following features: High overload, power loss, long-life, specious appearance, etc.

Structure and features

- Front board three holes fixed installation, up and down mounting holes center distance is 209 mm or 225mm, users can choose any one by themselves.
- The cover is made of PC material which is transparent and anti-UV molded overall, the base of the meter and the terminal block is made of quality bakelite material which is moisture-resistant, fire-retardant, high temperature molded overall. It has following features: Good weatherability, high rigid, good insulation performance, etc. The meter frame adopt top-quality steel plate once molding with excellent mechanical strength, stable structure and anti-impact.
- Voltage components are used of all closed vacuum pouring coil by epoxy resin. Current components is used of double insulation structure, has good electrical characteristics.
- The type meter adopt magnetic thrust bottom bearing, upper oriented bearing is made of lubrication graphite bush and stainless steel needle. It has following features: Small abrasion, long life and minimal friction, etc.
- All kinds of adjustment mechanism adopt no step shifting mechanism. The meter starting and creeping needn't to be adjusted which is finished by anti-creeping hole of disc and convenient for adjusting by users.
- Standard configuration 6 digits display by drum wheel mechanical counter, may select 7 digits display by drum wheel mechanical counter.
- Three components measure three phase four wire active energy consumption. Complying with standard IEC 62053-11.
- Standard configuration for direct connect operation, we can also choose another type of wiring, and use CT , type 48B wiring, and PT & CT ,
- Standard configuration extended terminal cover, it is for protecting use electrical safety, may select short terminal cover.

Technical parameters

Model	Accuracy	Rated Voltage (V)	Rated Current (A)	Connection Mode
DT833	Class 1	3x220/380	3x1.5(6), 3x3(6) 3x5(20)	C.T Type Direct type
DT833	Class 2	3x220/380	3x5(20) 3x10(40) 3x15(60) 3x20(80) 3x30(100) 3x1.5(6), 3x3(6) 3x1.5(6)	Direct type C.T Type
DS833	Class 1	3x100 3x380	3x3(6)	C.T Type
DX833	Class 2	3x380 3x100	3x1.5(6), 3x3(6) 3x1.5(6), 3x3(6)	C.T Type C.T Type
DX833	Class 3	3x380 3x100	3x1.5(6), 3x3(6) 3x1.5(6), 3x3(6)	C.T Type C.T Type

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

Outer and mount dimension

