

DD833 Single Phase Long-life Electromechanical Energy Meter



Application

Model DD833 single phase electromechanical front board installed active energy meter is a kind of new style single phase two wire active energy meter, it is designed on the basis of original DEM073 single phase electromechanical meter, and fully absorb new technology about electromechanical meter from domestic and abroad. The meter completely accords with relevant technical requirements of class 2 single phase active energy meter stipulated in International standard IEC 62053-11. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net, it is use for setting indoor or out door meter box. The meter has novel design, rational structure, 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.

Functions and features

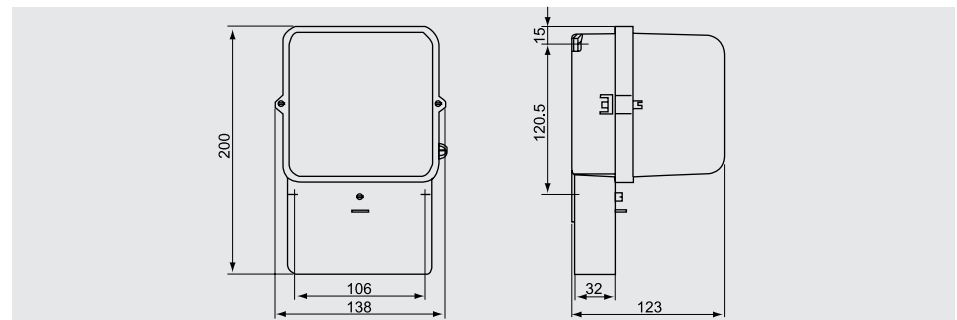
- Front board three holes fixed installation, the cover is made of high definition transparent glass material molded overall, the base of the meter is made of aluminum molding, and the terminal block is made of high quality bakelite material which is moisture-resistant, fire-retardant, high temperature molded overall. It has following features: good weatherability, high rigid, specious appearance, etc.
- The meter frame is adopt aluminum alloy 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 are used of double insulation structure, it has good electrical characteristics.
- Standard configuration voltage circuit and current circuit connect in the case, may select connect outside. (Please specified when ordering).
- Standard configuration 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. May select double jewel bearing, All kinds of 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 6 digits display by drum wheel mechanical counter, you may select 5 digits display by drum wheel mechanical counter.
- Standard configuration without anti-reverse device, may select add anti-reverse function. (Please specified when ordering). Single component measurement single phase two wire active energy consumption. It complies with standard IEC 62053-11.
- Direct connect operation, there are two types you may select. Standard configuration type 1A wiring, you may select type 1B wiring .
- Extended terminal cover, it is for protecting use electrical safety.

Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Insulation performance
DD833	Class 2	220(240)	5(20) 10(40) 15(60)	AC voltage 2kV 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

<p>Type A</p>	<table border="1"> <thead> <tr> <th>Terminal</th> <th>Note</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Inlet phase line</td> </tr> <tr> <td>3</td> <td>Inlet neutral line</td> </tr> <tr> <td>4</td> <td>Outgoing neutral line</td> </tr> <tr> <td>5</td> <td>Outgoing phase line</td> </tr> </tbody> </table>	Terminal	Note	1	Inlet phase line	3	Inlet neutral line	4	Outgoing neutral line	5	Outgoing phase line	<p>Type B</p>	<table border="1"> <thead> <tr> <th>Terminal</th> <th>Note</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Inlet phase line</td> </tr> <tr> <td>3</td> <td>Outgoing phase line</td> </tr> <tr> <td>4</td> <td>Outgoing neutral line</td> </tr> <tr> <td>5</td> <td>Inlet neutral line</td> </tr> </tbody> </table>	Terminal	Note	1	Inlet phase line	3	Outgoing phase line	4	Outgoing neutral line	5	Inlet neutral line
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