

ADM100TC single phase DIN-rail watt-hour meter

1. Application



ADM100TC

Model ADM100TC two phase three wire electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit. use advanced technique of digital and SMT techniques, etc. It has its completely independent intellectual property rights, The meter completely accord with relevant technical requirements of class one 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 two phase three wire AC electricity net. This meter has seven digits LCD displays shows the active energy consumption., And with far infrared and RS485 communication module. And Convenient to all kinds of AMR system connection. It has following features: good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

2.Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- 10 pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- May select 6 +1 digits display (99999.1kWh) or 5+2 LCD displays. setting the far infrared or RS485 data communication port by the users.may select backlight function.
- Equipped with a polarity passive close power pulse output port and a non-polar passive remote power pulse output port (pulse output rate for 10 or 100 imp/kWh can choose), conform to the IEC 62053-31 and DIN 43864 standard.
- Equipped with a far infrared data communication port and a RS485 data communication port, the standard communication protocol configuration with DL/T645-1997 standard, can choose other communication protocol
- Five LED respectively indicating power state (phase voltage L1 and L3) and close power pulse signal and remote power pulse signal and data communication state.
- Automatic Detecting the direction of the trend of load current, And instructions by separate LED.
- Single direction two elements measure two phase two wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration type S wiring (Inlet from bottom, outlet from top) for direct connect operation, we can also choose another type of connection, and use CT (Product Configuration code is IC) and PT & CT (Product Configuration code is HC) for operation.
- Standard configuration short terminals cover.

3.Technical parameters

Model	Accuracy	Reference voltage(V)	Current specifications (A)	Starting Current	Remark
ADM100TC	Class1	3×127V 3×230V	5(30)A 10(50)A 20(100)A	0.4%I _{ld}	According to customer's request

4.Outer and mount dimension

