

FU2010

Small Electric Solar Three Phase Power Meter

FU2010 is a multi-function small electric solar three phase power meter without displaying. It can measure all the parameters in one circuit. Simple hardware circuit and high reliability. One DC4-20mA output is optional. It is a versatile transducer.



Features

1. Multi-function power meter
2. Can be as a versatile transducer
3. Simple hardware circuit and high reliability
4. High accuracy class

Parameters

| Electrical parameters | |
|----------------------------------|--|
| Power supply (AC/DC) | AC85-265V / DC85-330V or 18-90V DC Power consumption: <3VA |
| Measurement parameters | Voltage (Ph-N); Voltage (Ph-Ph); Current; Frequency; PF; Active Power (W); Reactive Power (Q) ; Apparent Power(S) |
| Computation | Forward active power energy Reverse active power energy Forward active power energy Reverse reactive power energy |
| Measuring range | 30-600V, 0-6A, 45-65Hz, -1 ~ 0 ~ 1 |
| Measuring accuracy | Frequency: 0.1% Electric energy: 0.5%, 1.0% Voltage : 0.2%±0.1V Current : 0.2%±0.001A Power : 0.5% ±0.4W Power Factor : 0.5% ±0.001 |
| Display | Indication of power supply, energy pulse and communication. |
| Communication | Support RS485 interface port, 32 (128) networking, Modbus-RTU communication protocol. |
| Analog output (expansion module) | DC 4-20mA output, programmable to any measured parameters. |

Electrical parameters - continued

| | |
|-----------------|---|
| Programmable | Measuring system: 3P4W/3P3W etc. Transformation ratio: PT, CT. Communication: Address: 1-247; Baud: 1200-19200; Parity bit: N/E/O Energy: reset |
| Connection mode | 3P4W, 3P4W BAL, 3P3W, 3P3W BAL, 1P2W, 1P3W |

Mechanical parameters

| | |
|-----------------------------|-----------------------------------|
| Dimensions (L x W x H) (mm) | 110x75x72.6 |
| Mounting | 35mm DIN sliding-way or M4 screws |

Environmental conditions

| | |
|-------------|---------------------------------|
| Temperature | -15 to +55 °C |
| Humidity | 20%-95%RH, without condensation |