

FU2030

Multifunction Mini Digital Panel Power Meter

FU2030 is a multifunction mini digital panel power meter, measure all the electrical parameters, compute four quadrants energy, work in wide temperature range.

Features

1. Multifunction digital panel power meter
2. Work in wide temperature range
3. Multiple connection modes
4. Measure all the electrical parameters
5. Analog output module is optional



Parameters

Electrical parameters	
Power supply (AC/DC)	AC 85-265V/DC 85-330V Power consumption: <6VA
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	LED Display, 4 Displays. 4 operation keys.
Communication	RS-485 interface port support, 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
Energy pulse (optional)	One active energy pulse output Pulse constant: 5000kWh Photocoupler output (0.1Ax30V)
Connection mode	3P4W, 3P4W BAL, 3P3W, 3P3W BAL, 1P2W, 1P3W
RTC	Accuracy drift less than 2.5min/year

Mechanical parameters

Dimensions (mm)	Mounting panel: 120x120 Thickness: 21 Depth: 118
Mounting	Panel mounting Trepanning: 92x92mm

Environmental conditions

Temperature	-25 to +55 °C
Humidity	20%-95%RH, without condensation