

FU2000

Multifunction Electrical Digital Power Meter

FU2000 is a multifunction electrical digital power meter, it can measure all the electrical parameters in the circuit, and it has RTC, calendar and one pulse output (option).

Features

1. Multifunction power meter
2. Measure all the electrical parameters
3. It has RTC, calendar
4. Accuracy class can reach 0.5s
5. Pulse output is optional
6. LCD display



Parameters

Electrical parameters	
Power supply (AC/DC)	AC 85-265V/DC 85-330V, DC18-90V (option) Power Consumption: <4VA
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	LCD Display, 128X64 Lattice, English and Chinese interface, 4 Displays. Green back-lit 4 operation keys.
Communication	RS-485 interface port support, 32(128) Networking, ModBus- RTU communication protocol.

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 RTC: year; month; day; hour; minute; second 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