

## FU8000

### SINGLE PHASE AC/DC CURRENT AND VOLTAGE DISPLAY DIGITAL METER

FU8000 series single phase current and voltage display digital meter has replaced the traditional digital meter products. This product has the function of traditional products, also has programmable functions, such as DC4-20mA analog output, RS-485 communication interface port and the switching power output function. CT, PT ratio function can be programmable, display primary value. FU8000 panel digital meter has high accuracy, excellent EMC and good appearance and so on.

### Application

1. Airport;
2. Power plant;
3. Industrial system;
4. Intelligent building;
5. Power monitoring system;
6. Data transmission center;
7. Commercial, industrial, utility;
8. High voltage distribution cabinet;
9. Low voltage distribution cabinet;
10. Industrial and mining enterprises;
11. Medium and low voltage systems;
12. Electric energy metering of photovoltaic power station;



### Features

1. DC4-20mA analog output;
2. LED and LCD display optional;
3. It has programmable function
4. Current measurement range 1A/5A;
5. RS-485 communication interface port;
6. High accuracy, excellent EMC and good appearance;
7. 96×96mm, 120×120mm, 96×48mm, 48×48mm panel optional;
8. Voltage measurement range 100V, 220V, 380V AC, 500V, 1000V DC;

## Optional Design



## Parameters

Name	Measurement type
Programmable	PT, CT ratio, address, baud rate and other parameters.
Accuracy	0.5 class, frequency 0.2 class
Display figures	4 bits (4½ bits for DC)
Rated input	Current: 1A,5A; Voltage: 100V, 220V, 380V; Temperature: PT100,J,K,T,E thermocouple.
Over range	Current: 1.2 times continuous, 10 times/10s ; Voltage: 2 times continuous
Frequency	50Hz / 60Hz ±10%
Power supply	AC220V ± 20% or DC100-300V (Customization)
Power consumption	<3VA
Insulation strength	2KV/min. 2mA
Insulation resistance	≥100MΩ
MTBF	≥50000Hrs
Working environment	Temperature: -25 to +55°C Humidity: ≤98% RH, without condensation
Real-time output	DC4-20mA, load capacity: ≤400Ω
Data output	RS485 port (Modbus-RTU protocol)
Switching input	Remote signal input (self power supply): AC or DC 220V
Switching output (self-control)	Normally open contact output: AC 250V / DC 30V, 5A

## Model Description

### FU8 - Dimension code- Product code - Function code - Display

Dimension code	0: 48 x 48 x 100mm
	2: 120 x 120 x 81mm
	3: 96 x 96 x 98mm
	4: 96 x 48 x 112mm
Product code	0: Single phase AC current
	1: Single phase AC voltage
	2: One route DC current
	3: One route DC voltage
	4: Frequency
	5: Single phase power factor
	6: Temperature
	8: All of the electric parameters
Function code	0: Display only
	1: RS485
	2: 1DO
	3: 1AO
	4: 1DO + RS485
	5: 1AO + RS485
	6: 1DO + 1AO
	7: 1DO + 1AO + RS485
	8: 2DO + 1AO
	9: 2DO + RS485
	A: 1DI + 1DO + RS485
	B: 2DI + 2DO + RS485
Display	(Nothing): LED
	Y: LCD