

## FU9000

### THREE PHASE AC CURRENT & VOLTAGE PANEL DISPLAY DIGITAL METER

FU9000 series three phase current and voltage display digital meter has replaced the traditional digital meters. This panel digital meter has the function of traditional products, also has programmable functions, DC4-20mA analog output, RS485 communication interface port and the switching power output functions. This product has high accuracy, excellent EMC and good appearance and so on. It has been used in data transmission center, intelligent building, industrial system and power system cabinet etc.

### Application

1. Airport;
2. Power plant;
3. Industrial system;
4. Intelligent building;
5. Data transmission center;
6. Power monitoring system;
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. LED and LCD display optional;
2. Current measurement range 1A/5A;
3. DC4-20mA analog output function optional;
4. Voltage measurement range 100V, 220V, 380V AC;
5. High accuracy, excellent EMC and good appearance;
6. 96×96mm, 120×120mm, 72×72mm, 48×48mm panel optional;
7. RS-485 communication interface port, modbus communication protocol;
8. It has programmable function, display primary current and voltage value;

## Optional Design



## Parameters

Name	Measurement type
Programmable	PT, CT ratio, address, baud rate and other parameters.
Accuracy	0.5 class
Display figures	4 bits
Rated input	Current: 1A, 5A Voltage: 100V, 220V, 380V
Over range	Current: 1.2 times continuous, 10 times/10s ; Voltage: 2 times continuous
Frequency	50±5Hz or 60±10Hz (Option)
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

FU9 - Dimension - Product code - Function code - Display	
Dimension code	0: 48 x 48 x 100mm
	1: 72 x 72 x 73mm
	2: 120 x 120 x 81mm
	3: 96 x 96 x 98mm
Product code	0: Three AC current
	1: Three AC voltage
	2: Three AC current and voltage combined
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