



FCN300 SERIES

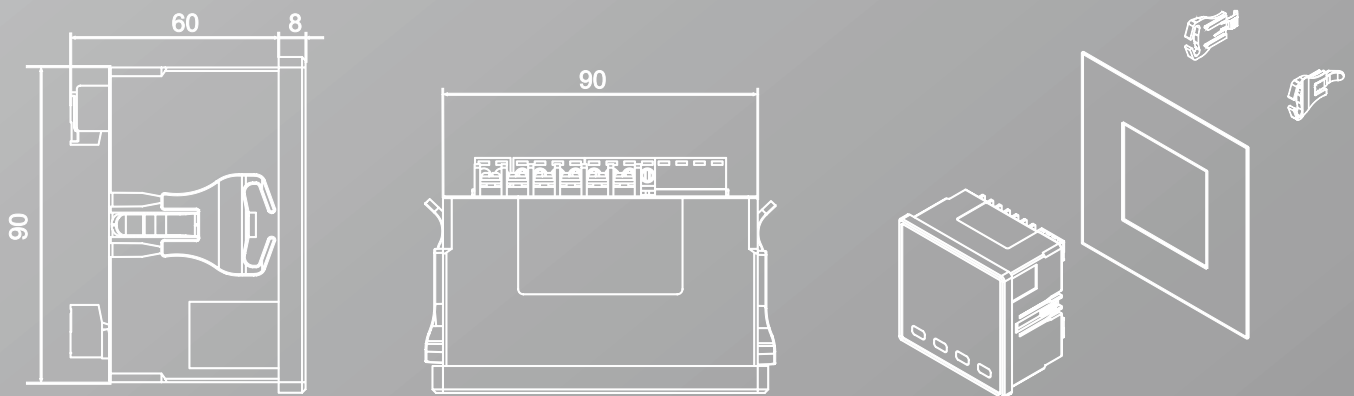
THREE PHASE MULTI-METER

Outline and opening size (mm)

Frame size(mm): 96×96

Opening size(mm): 91×91

Cabinet Depth(mm): 60



FCN300 Series Three Phase Multi-Meter



www.fortindo-fsm.com

Measurement Accuracy

- Voltage: 0.5 Class
- Current: 0.5 Class
- Active Power(Watt): 1.0 Class
- Reactive Power(var): 1.0 Class
- Apparent Power(va): 1.0 Class
- Power Factor: 1.0 Class
- Frequency: ±0.2Hz
- Active Energy(kwh): 1.0 Class
- Reactive Energy(kvarh): 2.0 Class
- Apparent Energy(kvah) :1.0 Class

Auxiliary Power Supply

- Working Range:200-240Vac
- Power Consumption: <4VA

Environment

- Working Temperature: -10°C +55°C
- Storage Temperature: -25°C +70°C
- Relative Humidity: ≤93%, place without corrosive gas
- Altitude: ≤2500m

Safety

- Insulation Resistance: >100MΩ
- AC Withstand Voltage: AC 2KV

Signal Input

- Wiring Mode: 3 Phase 4 Wires/3 Phase 3 Wires
- Rated Current:AC1A/AC5A
- Rated Voltage:0-450Vac
- Overload Capability
Voltage: 1.2 times(continuous), 2 times/1 second(instantaneous)
Current: 1.2 times(continuous), 10 times/5 seconds(instantaneous)
- Power Consumption
Voltage: <1VA/Phase Current: <0.4VA/Phase
- Impedance
Voltage: <400kΩ Current: <20mΩ
- Frequency: 45-65Hz

Optional Extended Function(Need to be customized especially)

- Communication Port:1 Loop Rs485, Modbus-RTU Protocol
Baud Rate: 1200~38400bps, the factory default is 9600bps
- Switching Input: Passive dry contact
- Switching Output Capacity: AC250V/5A, DC30V/5A

EMC Performance

- Electrostatic Discharge: 4 Class
- Electrical Fast Transient/Burst: 4 Class
- Surge: 4 Class

Model Meaning

FCN 300 - □ □ □

Display

4 means Three Phase LED Screen 4Y means Three Phase LCD Screen
4-5 means Five Rows LED Screen

Function Code

E-All Basic Electrical Parameter Measurement
EF-All Basic Electrical Parameter Measurement+Multi-Tariff Measurement
EH-All Basic Electrical Parameter Measurement+Harmonic Measurement
EFH-All Basic Electrical Parameter Measurement+Multi-Tariff Measurement
+Harmonic Measurement

Outline Size

| Code | Corresponded Model of Analog Meter | Panel Size(mm) | Hole Size(mm) |
|------|------------------------------------|----------------|---------------|
| 3 | 9 square | 96×96 | 91×91 |

Series No.

Firm Code

FCN300 Series Three Phase Multi-Meter



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FCN300-3AV4-5

Function

| Function Model NO. | Standard Measurement Function | Display | Panel Size (mm) |
|-----------------------|-------------------------------|---------|-----------------|
| FCN300-3AV4-5 | Three Phase Current | LED | 96*96 |
| | Three Phase Voltage | | |
| | Frequency | | |

Technical Parameters

Auxiliary Power Supply

- Working Range: 200Vac~240Vac

Signal Input

- Wiring Mode: 3 Phase 4 Wires/3 Phase 3 Wires
- Related Current: AC1A/AC5A
- Related Voltage: 0-450Vac
- Frequency: 45-65Hz



FCN300-3E4Y

Function

| Function Model NO. | Standard Measurement Function | Communication | Display | Panel Size (mm) |
|-----------------------|-------------------------------|---------------|---------|-----------------|
| FCN300-3E4Y | Three Phase Current | RS485 | LCD | 96*96 |
| | Three Phase Voltage | | | |
| | Frequency(Hz) | | | |
| | Active Power(W) | | | |
| | Reactive Power(Var) | | | |
| | Apparent Power(VA) | | | |
| | Power Factor(VA) | | | |
| | Active Energy(Kwh) | | | |
| | Reactive Energy(Kvarh) | | | |
| | Apparent Energy(Kvah) | | | |

Technical Parameters

Auxiliary Power Supply

- Working Range: 200Vac~240Vac

Signal Input

- Wiring Mode: 3 Phase 4 Wires/3 Phase 3 Wires
- Related Current: AC1A/AC5A
- Related Voltage: 0-450Vac
- Frequency: 45-65Hz



FCN300-3EH4Y

Function

| Function Model NO. | Standard Measurement Function | Harmonic | Communication | Display | Panel Size (mm) |
|-----------------------|-------------------------------|----------|---------------|---------|-----------------|
| FCN300-3E4Y | Three Phase Current | 2-31st | RS485 | LCD | 96*96 |
| | Three Phase Voltage | | | | |
| | Frequency(Hz) | | | | |
| | Active Power(W) | | | | |
| | Reactive Power(Var) | | | | |
| | Apparent Power(VA) | | | | |
| | Power Factor(VA) | | | | |
| | Active Energy(Kwh) | | | | |
| | Reactive Energy(Kvarh) | | | | |
| | Apparent Energy(Kvah) | | | | |

Technical Parameters

Auxiliary Power Supply

- Working Range: 200Vac~240Vac

Signal Input

- Wiring Mode: 3 Phase 4 Wires/3 Phase 3 Wires
- Related Current: AC1A/AC5A
- Related Voltage: 0-450Vac
- Frequency: 45-65Hz