

# Ultra Slim Flexible AC Current Probes

**Models:** FCT 2/12, FCT 2/24,  
FCT 3/12, FCT 3/24, FCT 3/36, FCT 3/48,  
FCT 4/12, FCT 4/24, FCT 4/36, FCT 4/48

## Mechanical Specifications

### Materials:

Sensor Jacket: Polyurethane UL94V0  
Connector: FR Polypropylene UL94V0  
Cable Jacket: Polyurethane UL94V0

### Dimensions:



Mini Bending Radius: 1in. (25.4mm)  
Sensor Diameter: .310 in. (7.9mm)  
Connector Dia: 1.07 in. max (27.2mm)  
Sensor Output Cable Length: 48 in. (1.2m)

**Color:** Orange sensor, black connector

## Safety

Double Insulated  
Sensor: 1000 V CAT III  
Module: 600 V CAT III  
Pollution Degree 2



Tools you need. People you trust

**Power Monitors Incorporated**

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## Electrical Specifications



**Switchable Scaling Ranges:** 1 to 100 A  
1 to 1000 A  
1 to 5000 A

**Measurement Range:** 1 to 5000 A

**Controls:** Range is chosen from the recorder during two-minute countdown prior to recording session.

**Power Source:** Power is supplied by connection to PMI Scanner. No external battery or other power source is required.



**Accuracy:** ± 1% of reading

**Linearity:** ± 0.05%

**Phase Shift:** ≤ ±0.5% at 50 to 60 Hz



**Frequency Range:** 8 Hz to 5 kHz

**Crest Factor (mid-range):**

100 A and 1000 A scale: 8.0  
5000 A scale: 5.4

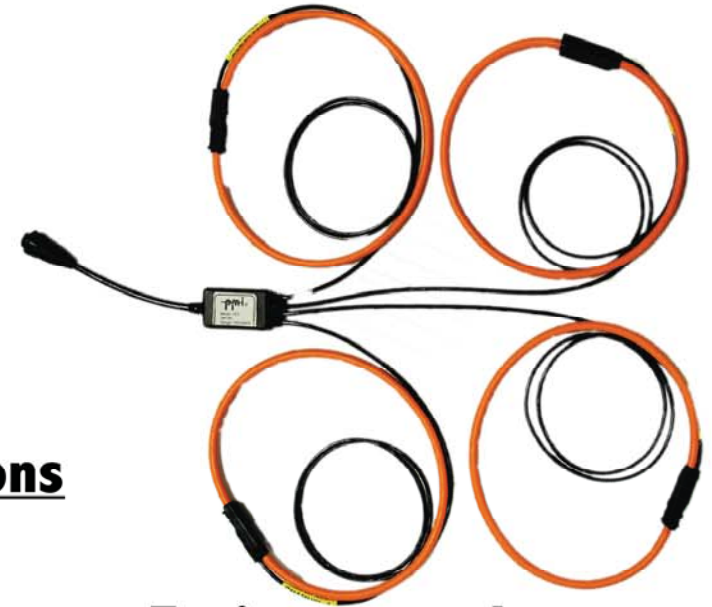


**Working Voltage:**

Sensor: 1000 V AC to earth  
Module: 600 V AC to earth

**Position Sensitivity:**

±1.5%, 1in. from conductor



## Environmental



**Operating Temperature:** -20 to 135 degrees F  
(-29 to 57 degrees C)

**Temperature Sensitivity:**

Sensor: 0.015% per degree C typ,  
0.05% per degree C max  
Module: 0.015% per degree C typ,  
0.05% per degree C max

**Altitude Operating:** 0 to 2000m

Case Protection  
Sensor and Module  
IP65 per IEC 529

## PMI CT Model Number

	.../12	.../24	.../36	.../48
<b>Length (Open)</b>	12 in. 305 mm	24 in. 610 mm	36 in. 915 mm	48 in. 1220 mm
<b>O.D. (Closed)</b>	4.15 in. 105 mm	8.3 in. 210 mm	12 in. 305 mm	15.9 in. 404 mm
<b>I.D. (Closed)</b>	3.5 in. 89 mm	7 in. 178 mm	10.9 in. 277 mm	14.7 in. 372 mm

\*\*\*Flexible Current Probes are available in sets of two, three, or four. Model number: FCT x/y where x is the number of CTs in the set, and y is the required length of the CTs in inches.

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