

FLEXIBLE 3000 Amp current probe

Model : CPF-3002

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

FLEXIBLE 3000 AMP CURRENT PROBE

Model : CPF-3002

FEATURES	
* Meet IEC 1010 CAT III 1000 V safety requirement.	
* Double insulation coil.	
* Range : 30 A/300 A/3000 A.	
* Output sensitivity : 100 mV/A, 10 mV/A, 1 mV/A.	
* Output voltage : 3 ACV (30 A, 300 A, 3000 A).	
* Measuring range LED indication.	
* Flexible probe length : 280 mm (11 inch).	
* When change the new probe, the calibration procedures are not necessary to be executed.	
* Uses durable, long-lasting components, enclosed in strong, light weight ABS-plastic housing.	

SPECIFICATIONS	
Measurement	30 A/300 A/3000 A, 3 ranges, push switch selectable 1st range value : 30 A 2nd range value : 300 A 3rd range value : 3000 A
Output sensitivity	100 mV/A, 10 mV/A, 1 mV/A, AC coupled.
Flexible Cable length	280 mm
Flexible Cable Diameter	8 mm
Accuracy	± 1% of range value * Accuracy is specified that the measured conductor's position is on the center of " Flexible current probe ". * 50/60 Hz. * 23 ± 5 °C
Frequency range	45 to 400 Hz. * Accuracy tested under 50/60 Hz.
Linearity	± 0.2% of reading value. * From 10% to 100% of range value.
Conductor position sensitivity	± 2% of reading value * The measured conductor distance from center > 25mm (1")
External field influence	Increase ± 1.5% of range value max. * Recommend the distance between different " Flexible current probe " should > 200mm
Phase error	< ± 1.5% * 50/60 Hz
Minimum load	100 K ohm for specified accuracy.
Operating temperature	0 °C to 50 °C (32 °F to 122 °F)
Operating humidity	Max. 80% RH.
Power supply	1. DC 1.5 V battery (UM-4, AAA) x 2 PCs 2. AC to DC 9V power adapter (optional). 3. Power supply from the meter (DW-6093, DW-6095) via Power interface cable, PWCB-06 (included). Power supply voltage from DW-6093, DW-6095 is DC 8V± 1V.
Power consumption	Approx. DC 6.1 mA.
Dimension	290 x138.3 x 26.5 mm (11.4x 5.4 x 1.0 inch).
Weight	183 g/0.404 LB (w/o battery).
Accessory included	Operating Manual.....1 PC

* Appearance and specifications listed in this brochure are subject to change without notice.

1609-CPF3002