

FLEXIBLE 3000 Amp

# Current Probe

Model : CP-3002

ISO-9001, CE, IEC1010

[www.yalab.com.tw](http://www.yalab.com.tw)

02-2389-0101



**Lutron**

[www.YaLAB.com.tw](http://www.YaLAB.com.tw)

*The Art of Measurement*

FLEXIBLE 3000 Amp

# Current Probe

Model : CP-3002

[www.YaLAB.com.tw](http://www.YaLAB.com.tw) 02-2389-0101

## FEATURE

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

## GENERAL SPECIFICATION

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 6.9 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.

200707-CP3002

[www.YaLAB.com.tw](http://www.YaLAB.com.tw) 02-2389-0101