

*30 A/300 A/3000 A, 3 ACV at full scale, probe length 600 mm*  
*CP-3001 can cooperate any kinds multimeters (ACmV meters)*

## **3,000A FLEXIBLE CURRENT PROBE**

**Model : CP-3001**

**ISO-9001, CE, IEC1010**



CP-3001-R  
red connector



CP-3001-Y  
yellow connector



CP-3001-B  
blue connector



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

# Flexible 3,000 Amp CURRENT PROBE

Model : CP-3001

## FEATURES

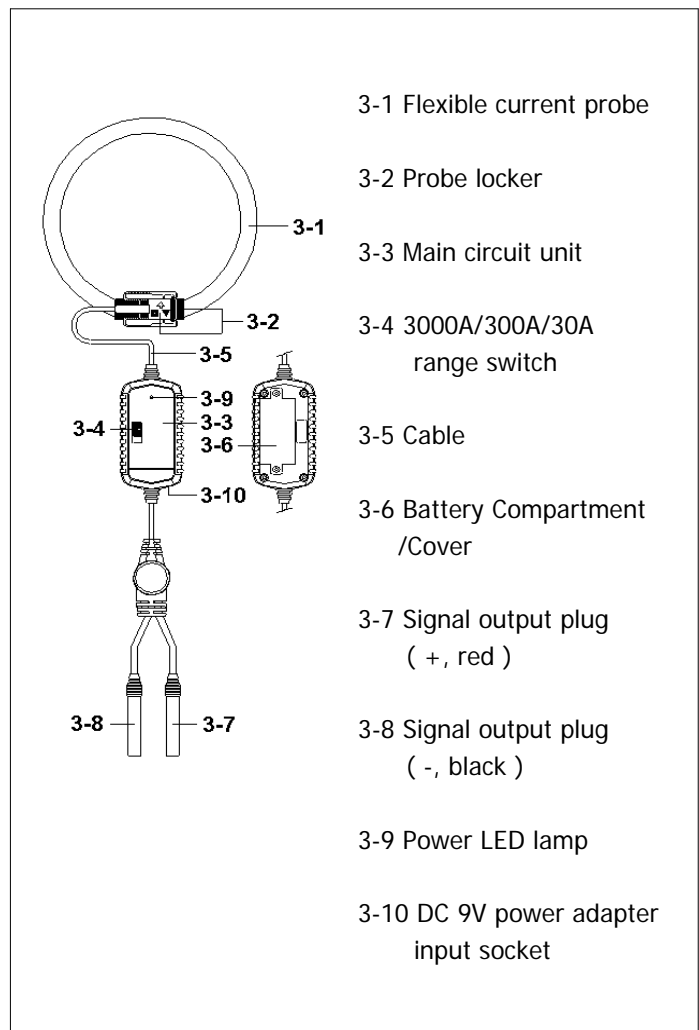
* Ranges : 30 A/300 A/3000 A, ACA.
* Output voltage : 3 ACV at full scale.
* Flexible probe length : 600 mm ( 23.6 inch ).
* Optional current probe for DW-6092, DW-6093, DW-6095.
* When change the new probe, the calibration procedures are not necessary to be executed.
* Signal output use the banana plugs, durable and safety.
* CP-3001 can cooperate with any kinds of multimeters ( ACmV meters ) which are built-in the ACV mV measurement range, then can be used as the AC 3000 Amps ( max. ) current meter.

## SPECIFICATIONS

Models	CP-3001-R ( red connector ). CP-3001-Y ( yellow connector ). CP-3001-B ( blue connector ).
Measurement ranges	60 A/600 A/6000 A, 3 ranges, ACA. switch selectable <i>1st range value : 30 A</i> <i>2nd range value : 300 A</i> <i>3rd range value : 3000 A</i>
Output sensitivity	3 ACV at each full scale ( 30 A, 300 A or 3000 A ).
Accuracy	± 1% of range value <i>* Accuracy is specified that the measured conductor's position is on the center of " Flexible current probe ".</i> <i>* 50/60 Hz..</i> <i>* <math>23 \pm 5^{\circ}\text{C}</math></i>
Frequency range	45 to 400 Hz. <i>* Accuracy tested under 50/60 Hz.</i>
Linearity	± 0.2 % of reading value from 10 % to 100% of range value.
Phase error	< ± 1.5° <i>* 50/60 Hz..</i>
Conductor position sensitivity	± 2 % of range value. <i>* Recommend the measured conductor position should &gt; 25 mm ( 1" ) away from the " Probe locker ".</i>
External field influence	increase ± 1.5 % of range value max.. <i>* Recommend the distance between different " Flexibel current probe " should &gt; 200 mm ( 8" ).</i>
Enclosure material	UL 94-V0 rated.
Safety	IEC 1010, Categories III 600V.
Power supply	DC 1.5V battery ( UM-3/AA ) x 2 PCs or DC 9V adapter in.

Power consumption	Approx. DC 9 mA.
Operating Temperature	0°C to 50°C ( 32°F to 122°F ).
Operating Humidity	Less than 80% RH.
Dimension	<i>Main circuit unit :</i> 105 x 56.5 x 33 mm. ( 4.1 x 2.2 x 1.3 inch ). <i>Flexible probe :</i> 600 mm x 14.5 mm DIA. 23.6 inch x 0.57 inch DIA. <i>Cable length :</i> 3.4 meters ( 11.2 feet ). <i>DC plug size :</i> 5.5 mm x 2.5 mm DIA.
Weight	426 g ( 0.94 LB ).
Accessory Included	Operating manual .....1 PC.

## FRONT PANEL DESCRIPTIONS



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

1209-CP3001