

# AFLEX 3002

## Flexible AC Current Clamp

### CE CAT III 600V

#### Features:

- AC current up to 3000A (True RMS)
- AC voltage up to 600V (True RMS)
- Frequency of ACA or ACV: 45~65Hz
- Direct reading, no DMM required
- AC current (TRMS) measurement at with 1% of scale basic accuracy
- AC voltage (TRMS) measurement at with 0.5% basic accuracy
- Fast peak function (39 $\mu$ s for 50 Hz, 33 $\mu$ s for 60Hz)
- Max, Min and Data Hold functions
- Auto power off - 15 minutes
- Range selection: auto
- Low battery indication

#### Electrical Specifications: (23°C $\pm$ 5°C)

##### AC Current

(50 or 60 Hz, Auto Range, True RMS, Crest Factor < 4, Conductor is located at the center of flexible loop. Position sensitivity is 2% of range. External field effect of < 40A/m and 200mm from the coupling is 1% of range. Temperature coefficient is 0.02% of reading/ °C.)

Range	Resolution	Accuracy of Readings
0 – 300.0A	0.1A	$\pm$ 1% of range
300.0 – 999.9A	0.1A	$\pm$ 1% of range
1000 – 3000 A	1 A	$\pm$ 1% of range

##### AC Voltage

(50 or 60 Hz, Auto Range, True RMS, Crest Factor < 4, Input Impedance 10 M $\Omega$ , Overload Protection AC 800V)

Range	Resolution	Accuracy of Readings
4.0 V – 600.0 V	0.1 V	$\pm$ 0.5% $\pm$ 5dpts

**Frequency of ACV (RMS value > 30V) or ACA (RMS value > 30A)**

Range	Resolution	Accuracy
45 – 65	0.1	± 0.2Hz

**General Specifications: (Indoors use)**

Probe Length: 3000-24	24 in / 610 mm
Minimum Bending Diameter:	35mm
Connector Diameter:	23mm
Cable Diameter:	14mm
Cable Length from Probe to Box:	1700mm
Cable Length from Box to Output:	1700mm
Dimension (Box):	130mm(L) x 80mm(W)x 43mm(H) 5.1”(L) x 3.1”(W) x 1.7”(H)
Battery Type:	two 1.5V SUM-3
Display:	4+4 digits LCD
Range Selection:	Auto
Overload Indication:	OL
Power Consumption:	10mA(approx.)
Low battery Indication:	
Auto-Power-Off:	15 minutes after power-on
LCD Update Time:	2 times/sec.
No. Of Samples per Period	512 (voltage or current) 256 (power)
Operating Temperature:	-10°C to 85°C
Operating Humidity:	15% to 85% RH
Altitude:	up to 2000M
Storage Temperature:	-20°C to 85°C
Storage Humidity:	15% to 85% RH
Weight:	430g (battery included)
Accessories:	Test leads Carrying case x 1 Users manual x 1 Batteries 1.5V x 2

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