

## Digital T-RMS AC/DC Clamp Meter PRO EV-C1

### FEATURES

- Min. resolution **1 mA AC/DC** and max. current range of **1000A AC/DC**.
- Super-wide range **4.000A/ 40.00A/ 400.0A/ 1000A AC/DC**.
- Best accuracy **±1.5%±3dgts** for all ranges.
- Accurate and solid AC/DC **mini pocket-size** clamp meter.
- **True RMS** measurement.
- **One touch zero** ( $\Delta$ ) for DCA adjustment.
- **25 mm** diameter jaw..
- **In-Rush Current** measurement with 100ms integration time.
- **Non-contact Frequency** measurement (min. sensitivity 0.08 ACA).
- **Low Pass Filter (LPF)** at 1 KHz cut-off frequency.
- **Fast bargraph display** (30 times/sec.) for transient observation.
- **Data Hold** function.
- Large **3 3/4 digits** LCD.
- 15 minutes **auto-power-off** with beeping warning before turning off.
- **Backlight** with 5 minutes auto-backlight-off.
- Easy **single rotary switch** for function selection.
- **Pocket size** ideal for works in crowded switch box or cable areas.



### GENERAL SPECIFICATIONS

<b>Conductor Size</b>	0.98" 125mm max. (approx.)
<b>Battery Type</b>	Two 1.5V LR03 AAA size
<b>Display</b>	3 3/4 LCD with 20 segments Bargraph
<b>Range Selection</b>	Manual
<b>Overload Indication</b>	OL
<b>Power Consumption</b>	22mA with backlight off (approx.)
<b>Low battery Indication</b>	
<b>Sampling Time</b>	3 times/sec. (digits), 30 times/sec. (bargraph)
<b>Operating Temperature</b>	-10°C to 50°C
<b>Operating Humidity</b>	less than 85% RH
<b>Storage Temperature</b>	-20°C to 60°C
<b>Storage Humidity</b>	less than 75% RH
<b>Operating Altitude</b>	upto 2000M
<b>Dimension</b>	152mm (L) x 66mm (W) x 36mm (H) 6.0" (L) x 2.6" (W) x 1.4" (H)
<b>Weight</b>	190g (battery included)
<b>Accessories</b>	Carrying bag x 1 • User Manual x 1 • 1.5V AAA battery x 2.

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### TECHNICAL SPECIFICATIONS

(23°C±5°C Accuracy is indicated as %, of reading, and the conductor is placed at the center of jaws).

#### DC Current (% of reading)

Range	Resolution	Accuracy	Overload Protection
4A	1mA	±1.5%±3dgts	DC 1000A
40A	10mA		
400A	100mA		
0-900A (1000A)	1A		
900-1000A (1000A)	1A	±2.0%±3dgts	

#### AC Current (True RMS, Crest Factor ≤ 3, % of reading)

Range	Resolution	Accuracy <sup>1</sup>		Overload Protection
		50/60Hz	40 - 400Hz	
4A	1mA	±1.5%±3dgts	±2.0%±4dgts	DC 1000A
40A	10mA			
400A	100mA			
0-900A (1000A)	1A			
900-1000A (1000A)	1A	±2.0%±3dgts	±2.5%±4dgts	

<sup>1</sup>Add 2% when C.F. ≥ 2

#### Frequency (auto range, periodic and zero crossing signal)

Range	Range (Hz)	Resolution (Hz)	Sensitivity (A)	Accuracy
4A	1 - 10	0.1	0.2	±0.5%±2dgts
4A	10 - 4K	0.1/1	0.08	
4A	4K - 40K	1/10	0.20	
40A	1 - 10	0.1	1.5	
40A	10 - 4K	0.1/1	0.8	
400A	2 - 4K	0.1/1	4	
1000A	1 - 4K	0.1/1	40	

Overload protection all range AC 1000A

#### In-Rush Current (AC, start from 0A, Integration Time 100mS)

Range	Trigger Current (threshold)
4A	0.2A
40A	2A
400A	20A
1000A	200A

#### AC Low Pass Filter (LPF, Cut-off frequency (-3db) 1 KHz (approx.))

Range	Resolution	Accuracy
4A	0.001	3%±5dgts
40A	0.01	
400A	0.1	
0-900A (1000A)	1	4%±5dgts
900-1000A (1000A)	1	

