

# PROVA A9+

## AC/DC TRMS Clamp Meter

CE

IEC 61010

CAT III 600V

CAT IV 300V



### Features:

1. Min. resolution **AC/DC 1mA** and max. current range of **AC/DC 1000A**
2. **Super wide range** AC/DC 4.000A/40.00A/400.0A/1000A
3. Best accuracy **±1.5%±3dgt**s for all ranges
4. **Accurate and solid** AC/DC mini pocket-size clamp meter
5. **True RMS** measurement
6. **One touch zero** ( $\Delta$ ) for DCA adjustment.
7. **25 mm** diameter jaws.
8. **In-Rush Current** Measurement with 100mS integration time
9. **Non-Contact Frequency** Measurement (min. sensitivity 0.08 ACA)
10. **Low Pass Filter** (LPF) at 1 KHz Cut-off Frequency
11. **Fast bar graph** display (30 times/sec.) for transient observation.
12. **Data Hold** function.
13. Large **3 3/4 digits** LCD.
14. 15 minutes **auto-power-off** with beeping warning before turning off
15. **Backlight** with 5 minutes auto-backlight-off
16. Easy single **rotary switch** for function selection.
17. **Pocket size** ideal for works in crowded switch box or cable areas.

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

**DC Current**

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)**

Range	Resolution	Accuracy <sup>1</sup>		Overload Protection
		50/60 Hz	40 - 400Hz	
4A	1mA	±1.5%±3dgts	±2.0%±4dgts	AC 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, starting 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 (50/60Hz)
4A	0.001	3%±5dgts
40A	0.01	
400A	0.1	
0 – 900A (1000A)	1	
900-1000A (1000A)	1	4%±5dgts

### General Specifications:

#### Indoor Use

**Conductor Size:** 0.98" / 25mm max. (approx.)

**Battery Type:** two 1.5V LR03 AAA size

**Display:** 3 3/4 LCD with 20 segments Bar-graph

**Range Selection:** manual

**Overload Indication:** OL

**Power Consumption:** 22mA with backlight off (approx.)

**Low battery Indication:**  B

**Sampling Time:** 3 times/sec. (digits), 30 times/sec. (bargraph)

**Operating Temperature:** -10°C to 50°C

**Operating Humidity:** less than 85% relative

**Storage Temperature:** -20°C to 60°C

**Storage Humidity:** less than 75% relative

**Altitude:** up to 2000M

**Dimension:** 152mm (L) x 66mm (W) x 36mm (H)

6.0" (L) x 2.6" (W) x 1.4" (H)

**Weight:** 190g (battery included)

**Accessories:** Carrying bag x 1

Users manual x 1

1.5V AAA battery x 2

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