

PROVA A9

AC/DC TRMS Clamp Meter

CE

IEC 61010

CAT III 600V CAT IV 300V

Features:

1. Accurate AC/DC digital clamp meter
2. Best accuracy $\pm 1.5\% \pm 3$ dgts
3. AC 1mA, DC 10mA high resolution
4. True RMS measurement
5. One touch zero (Δ) for DCA adjustment
6. 25 mm diameter jaws
7. Fast bar graph display (30 times/sec.) for transient observation
8. In-Rush Current Measurement with 100mS integration time
9. Non-Contact Frequency Measurement (min. sensitivity 0.06 AC A)
10. Non-Contact Voltage (NCV) Detection from 80V to 600V at 50/60Hz
11. Low Pass Filter (LPF) at 1 KHz Cut-off Frequency
12. Large 3 3/4 digits LCD
13. Data Hold function
14. 15 minutes auto-power-off with beeping warning before turning off
15. Backlight with 5 minutes of auto-backlight-off
16. Easy single rotary switch for any function selection
17. Ideal for works in crowded switch box or cable areas

Electrical Specifications:

($23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 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
40A	10mA	$\pm 1.5\% \pm 3$ dgts	DC 500A
400A (0-150A)	100mA	$\pm 1.5\% \pm 3$ dgts	DC 500A
400A (150-200A)	100mA	$\pm 2.2\% \pm 3$ dgts	DC 500A
400A (200-300A)	100mA	$\pm 4.0\% \pm 3$ dgts	DC 500A
400A (300-400A)	100mA	$\pm 7.0\% \pm 3$ dgts	DC 500A

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

Range	Resolution	Accuracy ²		Overload Protection
		50/60 Hz	40 - 400Hz	
4A (0-10mA) ¹	1mA	$\pm 1.5\% \pm 7\text{dgts}$	$\pm 2.0\% \pm 7\text{dgts}$	AC 500A
4A (10mA-4A)	1mA	$\pm 1.5\% \pm 3\text{dgts}$	$\pm 2.0\% \pm 4\text{dgts}$	AC 500A
40A	10mA	$\pm 1.5\% \pm 3\text{dgts}$	$\pm 2.0\% \pm 4\text{dgts}$	AC 500A
400A (0-150A)	100mA	$\pm 1.5\% \pm 3\text{dgts}$	$\pm 2.0\% \pm 4\text{dgts}$	AC 500A
400A (150-200A)	100mA	$\pm 2.2\% \pm 3\text{dgts}$	$\pm 3.0\% \pm 4\text{dgts}$	AC 500A
400A (200-300A)	100mA	$\pm 5.0\% \pm 3\text{dgts}$	$\pm 5.5\% \pm 4\text{dgts}$	AC 500A
400A (300-400A)	100mA	$\pm 8.0\% \pm 3\text{dgts}$	$\pm 8.5\% \pm 4\text{dgts}$	AC 500A

¹In the 4A range, there is a residual of 3 digits (3mA) remaining with no current input

²Add 2% when C.F. ≥ 2

Frequency (auto range, periodic and zero crossing signal)

Range	Range (Hz)	Resolution (Hz)	Sensitivity	Accuracy
4A	0 – 4K	0.1/1	0.06A	$\pm 0.5\% \pm 2\text{dgts}$
4A	4K – 40K	0.1/1/10	0.12A	$\pm 0.5\% \pm 2\text{dgts}$
40A	0 – 4K	0.1/1	0.6A	$\pm 0.5\% \pm 2\text{dgts}$
400A	0 – 4K	0.1/1	4A	$\pm 0.5\% \pm 2\text{dgts}$

Overload protection all range AC 500A

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

Range	Trigger Current (threshold)
0-4A	0.2A
40A	2A
400A	20A

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

Range	Resolution	Accuracy (of reading, 50/60Hz)
0-10mA (4A)	0.001	$3\% \pm 7\text{dgts}$
10mA-4A (4A)	0.001	$3\% \pm 5\text{dgts}$
40A	0.01	$3\% \pm 5\text{dgts}$
0-200A (400A)	0.1	$3\% \pm 5\text{dgts}$
200-300A (400A)	0.1	$5.5\% \pm 5\text{dgts}$
300-400A (400A)	0.1	$8.5\% \pm 5\text{dgts}$

Non-Contact Voltage Detection

Range	Frequency
80 to 600V (one segment of bar - to four segments of bars - - - -)	50/60Hz

Audible beep tones proportional to field strength.

Detection antenna: inside the stationary jaw.

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:	<input type="checkbox"/> 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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