

PROVA A5+

AC/DC TRMS Pocket Size Clamp Meter

Multiple Current Sensors Patents

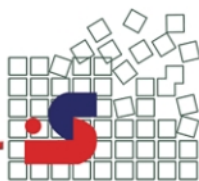
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China CN209728026U
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PROVA A5+

AC/DC TRMS Pocket Size Clamp Meter

CE

IEC 61010

CAT III 600V CAT IV 300V

Features:

1. Best resolution of AC 0.1mA, DC 1mA, and wide range of AC/DC 400A
2. AC 200.0mA/4.000A/40.00A/400A, DC 4.000A/40.00A/400.0A.
3. Accurate and solid AC/DC mini pocket-size clamp meter
4. Best accuracy $\pm 2\% \pm 3$ dgts for all ranges
5. True RMS measurement
6. One touch zero (Δ) for DCA adjustment.
7. 25 mm diameter jaws.
8. Non-Contact Frequency Measurement (min. sensitivity 0.03 ACA)
9. Sensitivity for 50/60Hz is AC0.01A typical at 200mA range
10. In-Rush Current Measurement with 100mS integration time
11. Non-Contact Voltage (NCV) Detection from 80V to 600V at 50/60Hz
12. Low Pass Filter (LPF) at 1 KHz Cut-off Frequency
13. Data Hold function, Maximum and Minimum Functions.
14. Large 3 3/4 digits LCD.
15. Fast bar graph display (30 times/sec.) for transient observation.
16. 15 minutes auto-power-off with beeping warning before turning off
17. Backlight with 5 minutes of auto-backlight-off
18. Easy single rotary switch for any function selection.
19. Ideal for works in crowded switch box or cable areas.

Electrical Specifications:

(23°C \pm 5°C, Accuracy is indicated as % of reading, and the conductor is placed at the center of jaws) NEVER use the clamp meter for Current higher than 600A.

DC Current (% of reading)

Range	Resolution	Accuracy	Overload Protection
4A	1mA	$\pm 2.0\% \pm 3$ dgts	DC 500A
40A	10mA		
400A	100mA		

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

Range	Resolution	Accuracy ²		Overload Protection
		50/60 Hz	40 - 100Hz	
5 - 200mA ¹	0.1mA	$\pm 2.0\% \pm 3\text{dpts}$	$\pm 2.0\% \pm 4\text{dpts}$	AC 500A
		50/60 Hz	40 - 400Hz	
4A ³	1mA	$\pm 2.0\% \pm 3\text{dpts}$	$\pm 2.0\% \pm 4\text{dpts}$	
40A	10mA			
(400A) 0-85A	100mA	$\pm 2.0\% \pm 3\text{dpts}$	40 - 100Hz	
(400A) 85-400A	100mA		$\pm 2.0\% \pm 4\text{dpts}$	

¹In the 200mA range, there is a residual reading of 12 digits (1.2mA) remaining with no current input

²Add 2% when C.F. ≥ 2

³ In the 4A range, there is a residual reading of 0 or 1 digits (0.001A) remaining with no current input

Frequency¹ (auto range, periodic and zero crossing signal, overload protection for all ranges is AC 500A)

Range	Range (Hz)	Resolution (Hz)	Sensitivity	Accuracy
200mA	1 – 10	0.1	200mA	$\pm 0.5\% \pm 2\text{dpts}$
200mA ²	10 – 4K	0.1/1	30mA	
4A	1 – 10	0.1	0.2A	
4A	10 – 4K	0.1/1	0.08A	
4A	4K – 40K	0.1/1/10	0.2A	
40A	1 – 10	0.1	1.5A	
40A	10 – 4K	0.1/1	0.8A	
400A	1 – 4K	0.1/1	7A	

¹If frequency is less than 1Hz, 0 Hz is displayed on LCD

²Sensitivity for 50/60Hz is 10mA typical

In-Rush Current¹ (AC, start from 0A, Integration Time 100mS)

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

¹In-Rush Current function does not apply to AC 200.0mA range

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

Range	Resolution	Accuracy (of reading, 50/60Hz)
5mA – 200mA(200mA)	0.1mA	3% $\pm 5\text{dpts}$
4A	0.001	
40A	0.01	
400A	0.1	

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:	□B□
Sampling Time:	3 times/sec. (digits), 30 times/sec. (bargraph)
Operating Temperature:	-10°C to 50°C
Operating Humidity:	less than 85% relative
Altitude:	up to 2000M
Storage Temperature:	-20°C to 60°C
Storage Humidity:	less than 75% relative
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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