

PROVA A11

mA AC/DC Clamp Meter

CE

IEC 61010

CAT III 600V CAT IV 300V

Features:

1. Very high resolution **DC 1mA, AC 0.1mA**.
2. AC/DC (mA, A) current measurement: **6A / 60A**.
3. AC/DC (V) voltage measurement: **60V / 600V**.
4. AC current measurement: **TRMS**.
5. Resistance, Continuity, Capacitance, Diode and Temperature (°C/°F) measurement.
6. Voltage/Current **Peak value** measurement.
7. **6000 counts**
8. **Auto and Manual ranges** for AC mA, AC/DC V, Resistance and Capacitance.
9. One Touch Zero for DCA adjustment.
10. **25mm** large jaw diameter.
11. Auto-power-off function (30 min.) and Backlight.
12. Delta (**Δ**) functions w.r.t. hold value.
13. **Dual display:** Hold + Ave, Max + Min, **Δ**Max + **Δ**Min.
14. **Dual display (peak hold):** Hold + Ave, Peak Max + Peak Min, **Δ**Peak Max + **Δ**Peak Min.
15. **Low Pass Filter** (LPF, 1KHz, -3dB) (e.g. for VFD measurement)
16. **600V overload protection** for Resistance and Capacitance measurement.
17. Ideal for works in crowded switch box or cable areas.

Electrical Specifications: (23°C±5°C)

DC Current

Range	Resolution	Accuracy	Overload Protection
mA (0-6A)	1mA	±2.0%±3dgts	DC 40A
0-30A	10mA	±2.0%±3dgts	DC 100A
30-40A		±2.5%±3dgts	
40-60A		±4.0%±5dgts	

Range 60A Peak MAX ±100A Accuracy + (±2%±50dgts)

AC Current (True RMS, Crest Factor < 3)

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 - 100Hz	
600mA	0.1mA	±1.5%±5dgts	±2.0%±5dgts	AC 40A
		50/60 Hz	40 – 1KHz	
6000mA	1mA	±2.5%±5dgts	±3.0%±5dgts	AC 40A
0-30A	10mA	±2.0%±5dgts	±2.5%±5dgts	AC 100A
30-60A	10mA	±4.0%±5dgts	±5.0%±5dgts	AC 100A

DC Voltage (Overload Protection AC 600V)

Range	Resolution	Accuracy	Input Impedance
60V	10 mV	±1.5%±3dgts	10MΩ
600V	100 mV		

DCV Peak MAX ±600V Accuracy + (±2%±50dgts)

AC Voltage (True RMS, Input Impedance 10 MΩ)

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 - 1KHz	
60V	10mV	±1.5%±5dgts	±2.0%±5dgts	AC 600V
600V	100mV			

ACV Peak MAX ±850V Accuracy + (±2%±50dgts)

Continuity (Open voltage 0.4V, Overload protection AC 600V)

Range	Resolution	Accuracy	Beeping
600Ω	0.1Ω	±1.0%±2dgts	<30.0Ω (approx.)

Resistance (Ω) (Open voltage 0.4V)

Range	Resolution	Accuracy	Overload Protection
600 Ω	0.1 Ω	$\pm 1.5\% \pm 2$ dgts	AC 600V
6K Ω	1 Ω		
60K Ω	10 Ω		
600K Ω	100 Ω		

Temperature (for using K-Type thermocouples, $^{\circ}\text{C}$ or $^{\circ}\text{F}$)

Range	Resolution	Accuracy	Overload Protection
-40 – 0 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	$\pm 2.0\% \pm 2$ $^{\circ}\text{C}$	AC 300V
0 – 400 $^{\circ}\text{C}$		$\pm 0.5\% \pm 2$ $^{\circ}\text{C}$	
-40 – 32 $^{\circ}\text{F}$	0.1 $^{\circ}\text{F}$	$\pm 2\% \pm 3.6$ $^{\circ}\text{F}$	
32 – 752 $^{\circ}\text{F}$		$\pm 0.5\% \pm 3.6$ $^{\circ}\text{F}$	


Capacitance

Range	Resolution	Accuracy	Overload Protection
600nF	0.1nF	$\pm 2.0\% \pm 0.2$ nF	AC 600V
6 μF	1nF	$\pm 2.0\% \pm 0.02$ μF	
60 μF	10nF	$\pm 2.0\% \pm 0.02$ μF	
600 μF	100nF	$\pm 2.0\% \pm 0.2$ μF	
6000 μF	1 μF	$\pm 2.5\% \pm 5$ μF	

Diode Test

Range	Resolution	Accuracy	Overload Protection
0 – 1.999V	0.001V	$\pm 2.5\% \pm 5$ dgts	AC 600V

General Specifications: Indoor Use

Conductor Size:	25mm max. (approx.)
Battery Type:	two 1.5V SUM-3
Display:	6000 counts
Range Selection:	Auto and Manual
Overload Indication:	OL
Power Consumption:	17 mA (approx.)
Low battery Indication:	
Sampling Time:	2 times/sec.
Auto-power-off:	30 minutes
Operating Temperature:	0°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:	190mm (L) x 66mm (W) x 36mm (H) 7.5" (L) x 2.6" (W) x 1.45" (H)
Weight:	250g (battery included)
Accessories:	Carrying bag x 1 Users manual x 1 1.5V battery x 2 Test leads x 1 K-type thermocouples x 1 Adapter (for Capacitance and K-type thermocouples) x 1

PROVA INSTRUMENTS INC.

Add: 6F-2, No. 129, Lane 235, Pao-Chiao Road, Shin-Tien District,
New Taipei City 23145, TAIWAN

Tel: 886-2-89191255

E-mail: prova@ms3.hinet.net

Fax: 886-2-89191489

Website: www.prova.com.tw