



PROVA 2000/ 2003 AC/DC Clamp Meter

Electrical Specifications: (23°C±5°C)

DC Current:

Range	Resolution	Accuracy (of rdg)	Overload Protection
400A	0.1A	±1.5%±3dgts	DC 3000A
0-2000A	1A	±1.5%±3dgts	DC 3000A
2000-2500A	1A	±2.0%±3dgts	DC 3000A

AC Current:

(Average Sensing for **PROVA 2003**, True RMS for **PROVA 2000**, Crest Factor < 4)

Range	Resolution	Accuracy (of rdg)		Overload Protection
		50/60 Hz	40 – 1KHz	
400A	0.1A	±1.5%±5dgts	±2.0%±5dgts	AC 3000A
0-1000A	1A	±2.0%±5dgts	±2.5%±5dgts	AC 3000A
1000-2100A	1A	±2.5%±5dgts	±3.0%±5dgts	AC 3000A

Current Analog Output:

Range	Output	Accuracy	Overload Protection
0 - 400A	1mV/A	±2.5% ±0.5A	600V AC
400 - 2100A	1mV/A	±2.5% ± 5A	600V AC

DC Voltage: (Autorange & Manual, Overload Protection 800VAC for all range)

Range	Resolution	Accuracy (of rdg)	Input Impedance
400mV	0.1mV	±1.5%±3dgts	10MΩ
4V	0.001V	±1.5%±3dgts	5MΩ
40V	0.01V	±1.5%±3dgts	5MΩ
400V	0.1V	±1.5%±3dgts	5MΩ
600V	1V	±1.5%±3dgts	5MΩ

AC Voltage:(Average Sensing for **PROVA 2003**, True RMS for **PROVA 2000**, Crest Factor < 4)

(Autorange & Manual, Overload Protection 800VAC for all range)

Range	Resolution	Accuracy (of rdg)		Input Impedance
		50/60 Hz	40 – 1KHz	
400mV	0.1mV	-----	-----	-----
4V	0.001	±1.5%±5dgts	±2.0%±5dgts	5M Ω
40V	0.01V	±1.5%±5dgts	±2.0%±5dgts	5M Ω
400V	0.1V	±1.5%±5dgts	±2.0%±5dgts	5M Ω
600V	1V	±1.5%±5dgts	±2.0%±5dgts	5M Ω

Resistance Ω :(Autorange & Manual, Open Circuit Voltage \leq 0.5V)

Range	Resolution	Accuracy (of rdg)	Overload Protection
400 Ω	0.1 Ω	±1.5%±3dgts	600VAC
4K Ω	1 Ω	±1.5%±3dgts	600VAC
40K Ω	10 Ω	±1.5%±3dgts	600VAC
400K Ω	100 Ω	±1.5%±3dgts	600VAC
4M Ω	1K Ω	±1.5%±3dgts	600VAC
40M Ω	10K Ω	±1.5%±3dgts	600VAC

Resistance (Ω) and Continuity:

(open voltage 0.4V)

Range	Resolution	Accuracy	Beeping	OL Protection
40-400 Ω	0.1 Ω	±1.0% rdg±2dgts	< 40.0 Ω (approx.)	AC 600V

Diode Test


Range	Resolution	Accuracy	Overload Protection
3V	0.001V	±2.5%±5dgts	600VAC

Frequency:

(Hz, Overload Protection 600VAC, Sensitivity selected by RANGE button)

Range	Resolution	Accuracy	Sensitivity
100Hz - 1000KHz	0.01Hz - 10Hz	±0.5%±2dgts	10V

General Specifications:

Conductor Size:	Cable Φ 55mm. (approx.) Bus Bar 65mm(D) x 24mm(W)
Battery Type:	9V
Display:	3 3/4 LCD with 40 seg. bargraph
Range Selection:	Auto and Manual
Overload Indication:	left most digit blinks
Power Consumption:	12 mA(approx.)
Low battery Indication:	
Sampling Time:	2 times/sec. (display) 20 times/sec. (bargraph)
Operating Temperature:	4°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:	271mm (L) x 112mm (W) x 46mm (H) 10.7" (L) x 4.4" (W) x 1.8" (H)
Weight:	647g / 22.8 oz (battery included)
Accessories:	Carrying bag x 1 Users manual x 1 Batteries 9V x 1

PROVA[®]

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