

PROVA®



PROVA 2009 AC/DC True RMS Power Tester



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:

(True RMS, Crest Factor < 3)

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 ranges)

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:

(True RMS, Crest Factor<3, Autorange & Manual, Overload Protection 800VAC for all ranges)

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

AC+DC Power:

(250V max., Auto-range and Manual)

Range	Resolution	Accuracy (of rdg)	Overload Protection
40KW	0.01KW	±2.5%±5dgts	600V AC
400KW	0.1KW	±2.5%±5dgts	600V AC

AC+DC Power:

(600V max., Auto-range and Manual)

Range	Resolution	Accuracy (of rdg)	Overload Protection
400KW	0.1KW	±2.5%±5dgts	600V AC
1200KW	1KW	±2.5%±5dgts	600V AC

Temperature °C (K-type Thermal Couple, Auto-range and Manual), or °F:

Range	Resolution	Accuracy	Overload Protection
-50 – 400°C	0.1°C	±1%±2°C	600V AC
-400 – 1000°C	1°C	±1%±2°C	600V AC
-50 – 400°F	0.1°F	±1%±3°F	600V AC
-400 – 1000°F	1°F	±1%±3°F	600V AC


Resistance (Ω) and Continuity:

(open voltage 0.4V)

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



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:	12mA (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, installed
Option:	Thermal couple adapter K-type thermal couple

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