

PROVA®



پترو فرهان گستر جنوب

Tehran, Tehransar

UL

CE CAT III 600V

Features:

- Accurate **DC/AC** digital clamp meter for current measurement
- **DC 2500A, AC 2100A**
(Average sensing for PROVA 2003, True RMS for PROVA 2000)
- **DC/AC 600V**
- Analog output for datalogger or oscilloscope
- $\phi 55$ mm diameter jaw
- One touch zero for DCA adjustment
- **Auto-range** for A, V, Ω , Hz
- Large 3 3/4 digits LCD
- Fast bargraph display (30 times/sec.) for transient observation
- **Frequency, Resistance** measurement
- **Continuity** with buzzer
- **Diode Test**
- **Max/Min** and **Data Hold** functions
- **Auto-power-off** function
- **600V** overload protection for ohm measurement
- Easy single rotary switch for any function selection

Electrical Specifications: (23°C±5°C)

DC Current:

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

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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	$\pm 1.5\% \pm 5\text{dpts}$	$\pm 2.0\% \pm 5\text{dpts}$	AC 3000A
0-1000A	1A	$\pm 2.0\% \pm 5\text{dpts}$	$\pm 2.5\% \pm 5\text{dpts}$	
1000-2100A	1A	$\pm 2.5\% \pm 5\text{dpts}$	$\pm 3.0\% \pm 5\text{dpts}$	

Current Analog Output:

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

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

Range	Resolution	Accuracy (of rdg)	Input Impedance
400mV	0.1mV	$\pm 1.5\% \pm 3\text{dpts}$	10M Ω
4V	0.001V		5M Ω
40V	0.01V		
400V	0.1V		
600V	1V		

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	$\pm 1.5\% \pm 5\text{dpts}$	$\pm 2.0\% \pm 5\text{dpts}$	5M Ω
40V	0.01V			
400V	0.1V			
600V	1V			

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

Range	Resolution	Accuracy (of rdg)	Overload Protection
400 Ω	0.1 Ω	$\pm 1.5\% \pm 3\text{dpts}$	600VAC
4K Ω	1 Ω		
40K Ω	10 Ω		
400K Ω	100 Ω		
4M Ω	1K Ω		
40M Ω	10K Ω		

Resistance (Ω) and Continuity: (open voltage 0.4V)

Range	Resolution	Accuracy	Beeping	OL Protection
40-400 Ω	0.1 Ω	$\pm 1.0\% \text{ rdg} \pm 2\text{dpts}$	< 40.0 Ω (approx.)	AC 600V

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Diode Test


Range	Resolution	Accuracy	Overload Protection
1.999V	0.001V	$\pm 2.5\% \pm 5 \text{dgts}$	600VAC

Frequency:

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

Range	Resolution	Accuracy	Sensitivity
1Hz - 400KHz	0.001Hz - 100Hz	$\pm 0.5\% \pm 2 \text{dgts}$	10V

General Specifications:

Conductor Size:	Cable $\phi 55 \text{mm}$. (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:	OL
Power Consumption:	17 mA(approx.)
Low battery Indication:	
Sampling Time:	3 times/sec. (display) 30 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 Testing leads

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