



# PROVA®

## PROVA 400 AC+DC TMRS Watt Clamp Meter

UL / CE CAT III 300V, CAT II 600V

### Features:

1. AC+DC power measurement: 0 ~ 240KW.
2. AC current: 0 ~ 400A (True RMS)  
DC current: 0 ~ 400A
3. AC voltage: 0 ~ 600V (True RMS)  
DC voltage: 0 ~ 400V
4. Frequency measurement (Auto range): 1 ~ 100K Hz
5. One touch zero for DCA adjustment.
6. Large 3 3/4 digits LCD
7. Jaw diameter: 23mm
8. Fast bargraph display (30 times/sec.) for transient observation.
9. Max/Min and Data Hold functions
10. Auto power off
11. Easy single rotary switch for any function selection
12. Ideal for works in crowded switch box or cable areas.

### Electrical Specifications: (23°C±5°C)

#### AC+DC Watt

Range	Resolution	Accuracy	Remarks
AC 40KW	10W	±1.5%±3dgts	1-250V, 1-400A, PF 0.6 -1, 50/60Hz, Vpeak < 360V
AC 240KW	100W	±1.5%±3dgts	1-600V, 1-400A, PF 0.6-1, 50/60Hz, Vpeak < 850V
AC 40KW	10W	±2.5%±3dgts	1-250V, 1-400A, PF 0.6 -1, 40-100Hz, Vpeak < 360V
AC 240KW	100W	±2.5%±3dgts	1-600V, 1-400A, PF 0.6-1, 40-100Hz, Vpeak < 850V
DC 40KW	10W	±1.5%±3dgts	1-250V, 1-400A
DC 240KW	100W	±1.5%±3dgts	1-600V, 1-400A

#### DC Current

Range	Resolution	Accuracy	Overload Protection
400A	100mA	±1.5%±3dgts	DC 600A

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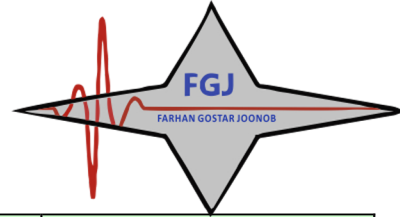
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**AC Current** (True RMS, Crest Factor < 4)

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 - 100Hz	
400A	100mA	$\pm 1.5\% \pm 3\text{dpts}$	$\pm 2.5\% \pm 4\text{dpts}$	AC 600A

**DC Voltage** (Input Impedance:  $10M\Omega$ )

Range	Resolution	Accuracy	Overload Protection
400V	0.1V	$\pm 1.0\% \pm 2\text{dpts}$	DC 800V

**AC Voltage** (Input Impedance:  $10M\Omega$ , True RMS, Crest Factor < 4)

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 - 1KHz	
600V	1V	$\pm 1.5\% \pm 2\text{dpts}$	$\pm 2.0\% \pm 4\text{dpts}$	AC 800V

**Frequency** (Auto range):

Range (Hz)	Resolution (Hz)	Accuracy	Sensitivity	Overload Protection
1-100K	0.001 - 100	$\pm 0.8\% \pm 2\text{dpts}$	10V	AC 600V

**General Specifications:**

Conductor Size:	23mm max. (approx.)
Battery Type:	two 1.5V SUM-3
Display:	3 3/4 LCD with 40 seg. bargraph
Range Selection:	manual
Overload Indication:	OL
Power Consumption:	10 mA (approx.)
Low battery Indication:	
Auto-Power-Off:	15 minutes after power-on
Sampling Time:	3 times/sec. (display) 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:	183mm (L) x 61.3mm (W) x 35.6mm (H) 7.2" (L) x 2.5" (W) x 1.4" (H)
Weight:	190g (battery included)
Accessories:	Carrying bag, Users manual, Test leads, 1.5V battery x 2

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