



## 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, <b>50/60Hz</b> , V <sub>peak</sub> < 360V
AC 240KW	100W	±1.5%±3dgts	1-600V, 1-400A, PF 0.6-1, <b>50/60Hz</b> , V <sub>peak</sub> < 850V
AC 40KW	10W	±2.5%±3dgts	1-250V, 1-400A, PF 0.6 -1, <b>40-100Hz</b> , V <sub>peak</sub> < 360V
AC 240KW	100W	±2.5%±3dgts	1-600V, 1-400A, PF 0.6-1, <b>40-100Hz</b> , V <sub>peak</sub> < 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

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

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 - 100Hz	
400A	100mA	±1.5%±3dpts	±2.5%±4dpts	AC 600A

**DC Voltage** (Input Impedance: 10MΩ)

Range	Resolution	Accuracy	Overload Protection
400V	0.1V	±1.0%±2dpts	DC 800V


**AC Voltage** (Input Impedance: 10MΩ, True RMS, Crest Factor < 4)

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 - 1KHz	
600V	1V	±1.5%±2dpts	±2.0%±4dpts	AC 800V

**Frequency** (Auto range):

Range (Hz)	Resolution (Hz)	Accuracy	Sensitivity	Overload Protection
1-100K	0.001 - 100	±0.8%±2dpts	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

**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

**Fax:** 886-2-89191489

**E-mail:** [prova@ms3.hinet.net](mailto:prova@ms3.hinet.net)

**Website:** [www.prova.com.tw](http://www.prova.com.tw)