

# PROVA<sup>®</sup>

## WM-01 TRMS Power Analyzer

## WM-03 TRMS Power Analyzer/Datalogger

### Features:

- Easy plug-in and test
- 4 LCD displays of W, PF/VA, V/KHz, A
- True power/ watt, True RMS V, A
- Auto range of W and V
- AC/DC 200W/2000W auto range
- Light and portable
- Battery powered / AC adapter
- Frequency measurement
- Max Hold and Data Hold.
- RS-232 computer interface
- Ready\_To\_Use Window<sup>TM</sup> Application Software
- Software calculates the require capacitance to improve PF
- Direct display of Power Factor (PF)
- **Datalogging of 1012 sets of records (WM-03)**

### Applications:

- Power device research and development
- Production Q.C. (eg. Home appliance)
- Field maintenance
- Power distribution management
- Education and experiment

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

**Watt:** (Auto Range, AC+DC, Crest Factor < 5)

Range	Resolution	Accuracy (40-1KHz)	Input
200	0.1W	0.9% of rdg ± 5dgts	0-300V, 0-20A, 40 - 1KHz, PF=0-1
2000	1W		

**Voltage:** (True RMS, Auto Range, AC+DC, Crest Factor < 5)

Range	Resolution	Accuracy (0-5KHz)	Overload Protection
200	0.1V	0.5% of rdg ± 4dgts	1000VDC/750VAC
750	1V		

**Current:** (True RMS, AC+DC, Crest Factor < 5)

Range	Resolution	Accuracy (0-5KHz)	Overload Protection
2	0.001A	0.5% of rdg ± 4dgt	20A, fused
20	0.01A		

**PF:** (Direct Calculation from W, V, A)  $PF = \text{Watt} / (V * A)$

**Frequency:** (Sensitivity 5V)

Range	Resolution	Accuracy
40 – 20KHz	1Hz-10Hz	0.5% of rdg ±2dgt

### General Specifications:

Memory Size: (for WM-03 only)	1012 x 4
Memory Type: (for WM-03 only)	Non-volatile
Memory Life: (for WM-03 only)	100,000 times of WRITE
Numerical Display:	3 1/2 digits LCD
Over Range Indication:	OL on LCD
Sampling Rate:	2.5 times/sec.
Power Source:	Eight 1.5V AA batteries
Power Consumption:	22 mA approx.
Operating Temperature:	0-40°C
Operating Humidity:	Less than 80%
Dimension:	352(L)x300(W)x100(H)mm 13.9"(L) x 11.8"(W) x 3.9" (H)
Weight:	1.637 Kg (approx.) 3.6 lbs (approx.)
Accessories:	AC adapter x 1 Power cable x 1 Battery 1.5V x 8 (installed) RS232 cable x 1 Users manual x 1 Software CD x 1

## 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)