

PROVA[®]

8500 Electric Energy-Saving Tester

Features :

- AC power supply + power meter
- Standby power measurement of note book, desktop PC, LCD TV, ...
- Two measurement terminals:
 - (1) Programmable nominal output: 85V~250V, 45Hz~65Hz
 - (2) External power input: max. 2000W
- High resolution (0.1V, 0.1mA), high stability and low drift
- Power quality measurement (W, PF, V, A, harmonics)
- PC programmable through RS-232C interface
(RS-232C to USB bridge included)
- Programmable over current protection (OCP)
- Memory of 99 preset voltage and frequency
- LCD display for monitoring output V, A, W
- Cost calculation based on a day, a month or a year
- 230V/115V selectable by switch.

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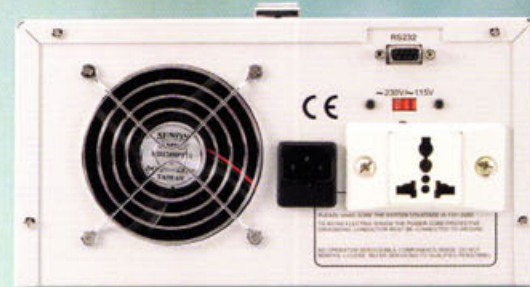


8500 Electric Energy-Saving Tester

1. Specifications of Front Panel (AC Sine Wave Output)

Range	Resolution	Accuracy	Comment
85V – 250V	0.1V	±1%	THD < 2%
45Hz – 65Hz	0.01Hz	± 0.1 Hz	-
10mW – 100W	0.1mW	± 1 % ± 0.05W	-
5mA – 0.6A	0.1mA/ 1mA	± 1 % ± 0.5mA	Remark 1
0.6A – 1.5A		± 1 % ± 5mA	
PF (0 – 1)	0.001PF	± 0.04	-

Remark 1: The max. output power is around 100W, so the output current may be varied according to the voltage setup value. For example, after setting up the voltage which is $\geq 150V$, the max. output current will be 0.75A only.



2. Specifications of Rear Panel (Max. 2000W, AC Measurement)

Range	Resolution	Accuracy
100mW - 2000W	0.1mW/1mW/ 0.01W/0.1W/1W	± 1 % ± 0.5W
85V – 250V	0.1V	± 1 %
5mA – 0.6A	0.1mA/ 1mA/	± 1 % ± 5mA
0.6A – 1.5A		± 1 % ± 50mA
1.5A – 10A	0.01A	± 1 % ± 0.1A
PF (0~1)	0.001PF	± 0.04
45Hz – 65Hz	0.01Hz	± 0.1Hz
THD (0.0 – 20.0%)	0.1%	± 2%
THD (20.0 – 100%)		±3% of reading ±5%
THD (100 – 999.9%)		±10% of reading ±10%
Hn (1 – 10 th)	0.1mA/ 0.001A/ 0.01A	reading in mA: ±1.4% of reading ±1mA reading in A: ±1.4% of reading ±0.1A
Hn (11 – 20 th)		reading in mA: ±4% of reading ±1mA reading in A: ±4% of reading ±0.1A
Hn (21 – 50 th , A range)		reading in mA: ±10% of reading ±1mA reading in A: ±10% of reading ±0.1A
Hn (21 – 50 th , mA range)		reading in mA: ±20% of reading ±1mA reading in A: ±20% of reading ±0.1A

3. Input Power Source: 110V (90V - 130V) / 220V (200V - 240V),
45Hz – 65Hz, Max. 10A

4. Power Fuse: 250V 10A.

5. Operation Humidity: <85% RH.

6. Operation Temperature: 4°C ~ 60°C

7. Accessories: Power cord x 1, Users manual x 1, Software CD x 1,
Software users manual x 1, RS232C to USB bridge x 1

8. Dimensions: 260mm x 151mm x 305 mm / 10.2" x 5.9" x 12.0"

9. Weight: 9.9 kg / 21.8 lbs

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