AMPROBE®

Data Sheet

SOLAR-500
Solar Analyzer

Professional analyzer for testing, maintenance, troubleshooting and efficiency of solar panels. The analyzer is used in the installation of solar panels to determine the proper inverter size, optimum power output position of panels and identifies broken or worn-out cells.

- **I-V Curve test for solar cell**
- **Maximum Solar Power (Pmax) search by auto-scan (60V, 6A)**
- **Maximum Voltage (Vmaxp) at Pmax**
- **Maximum Current (Imaxp) at Pmax**
- **Voltage at open circuit (Vopen)**
- **Current at short circuit (Ishort)**
- **I-V curve with cursor**
- **Calculation of panel efficiency (%)**
- **Manual single point test**

No hassle warranty

No waiting.

No shipping charges.

WARRANTY NO HASSLE PROGRAM

Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: $500 MSLP limit)

N10140 CE

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Specifications

DC Voltage	
Range	0~6V / 6~10V / 10~60V
Resolution	0.001V / 0.001V / 0.01V
Accuracy	±1% ± (1% of Vopen ± 9 mV) / ±1% ± (1% of Vopen ± 0.09 V) / ±1% ± (1% of Vopen ± 0.09 V)

DC Current	
Range	0~0.6A / 0.6~1A / 1~6A
Resolution	0.1mA / 0.1mA / 1mA
Accuracy	±1% ± (1% of Ishort ± 0.9 mA) / ±1% ± (1% of Ishort ±9 mA) / ±1% ± (1% of Ishort ±9 mA)

General Specifications	
Battery Type	1.2V AA rechargeable battery x 8 (2500mAh)
AC Adaptor	AC 110V or 220V input, DC 12V/3A output
Dimension	257(L) x 155(W) x 57(H) mm (10.1 x 6.1 x 2.2 in)
Weight	1160 g (2.6 lb) (Batteries included)
Operation Envirronment	0°C to 50°C (32°F to 122°F), 85% RH
Temperature Coefficient	0.1% of full scale / °C (< 18°C or > 28°C)
Storage Environment	-20°C to 60°C (-4°F to 140°F), 75% RH
Accessories	Users manual x 1, Software Manual x 1, 1.2V AA rechargeable batteries x 8 , AC adaptor x 1, RS232C (to USB Bridge) cable x 1, Software CD x 1, Kelvin Clips (6A max) x 1 set

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