

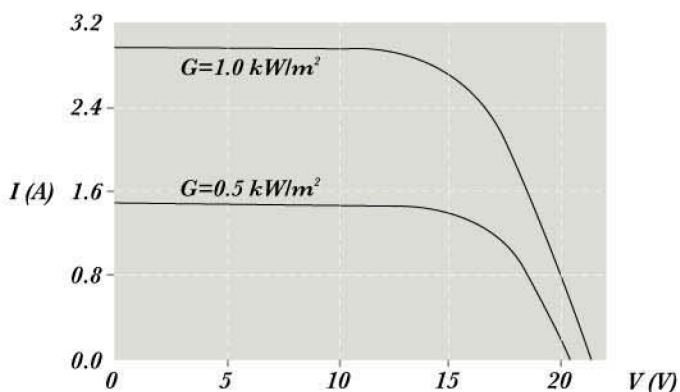
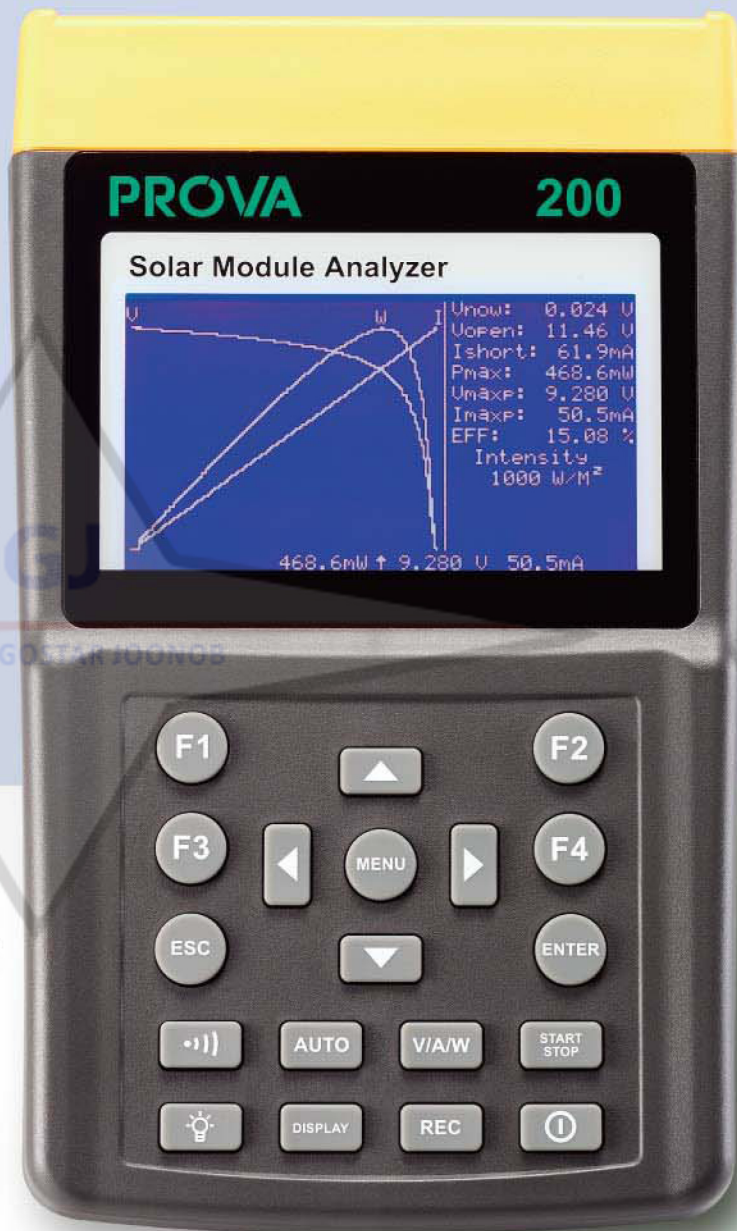


PROVA 200

Solar Module Analyzer (Photovoltaic I-V Curve Tester)

Features

- I-V Curve Test for Solar Cell.
- Max. Solar cell/module Power (Pmax) search by auto-scan: PROVA 200: 60V, 6A.
PROVA 200-24: 24V, 600mA.
- Best Resolution: PROVA 200: 1mV, 0.1mA.
PROVA 200-24: 1mV, 10µA.
- Manual Single Point I-V Test.
- Max. Voltage (Vmax) at Pmax.
- Max. Current (Imax) at Pmax.
- Voltage at open circuit (Vopen).
- Current at short circuit (Ishort).
- I-V curve with cursor.
- Efficiency (%) calculation of solar panel.
- Real time data logging.
- RS232C (to USB Bridge) cable for PC.
- Optional printer (model: 300XP) to hardcopy I-V curve.



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PROVA 200

Solar Module Analyzer (Photovoltaic I-V Curve Tester)

Electrical Specifications (23°C ± 5°C, Four-wire Measurement)

(1) PROVA 200:

DC Voltage Measurement :

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

Vopen : open circuit voltage of solar cell or module.

DC Current Measurement :

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

Ishort : short circuit current of solar cell or module.

Internal Resistance at Ishort : 0.05 Ohm.

(2) PROVA 200-24:

DC Voltage Measurement :

Range	Resolution	Accuracy of Reading
0 ~ 1 V	0.001 V	±1% ± (1% of Vopen ± 9mV)
1 ~ 24 V	0.01 V	±1% ± (1% of Vopen ± 0.09V)

Vopen : open circuit voltage of solar cell or module.

DC Current Measurement :

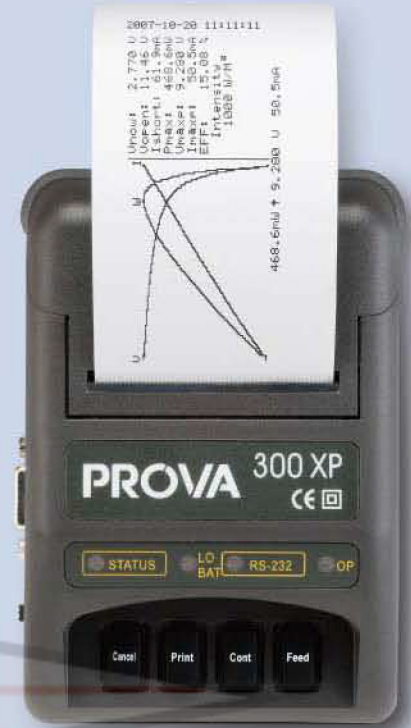
Range	Resolution	Accuracy of Reading
0 ~ 60 mA	0.01 mA	±1% ± (1% of Ishort ± 90µA)
60 ~ 100 mA	0.01 mA	±1% ± (1% of Ishort ± 0.9mA)
100 ~ 600 mA	0.1 mA	±1% ± (1% of Ishort ± 0.9mA)

Ishort : short circuit current of solar cell or module.

Internal Resistance at Ishort : 0.5 Ohm.

General Specifications

Battery Type	1.2V AA rechargeable battery (2500mAh) x 8
AC Adaptor	AC 110V or 220V input, DC 12V / 1~3A output
Dimension	257(L) x 155(W) x 57(H) mm 10.1" (L) x 6.1" (W) x 2.2" (H)
Weight	1160g / 40.9oz (Batteries included)
Operation Environment	0°C ~ 50°C, 85% RH
Storage Environment	-20°C ~ 60°C, 75% RH
Accessories	User Manual x 1, AC adaptor x 1 1.2V AA Rechargeable batteries x 8 RS232C (to USB Bridge) Cable x 1 Software CD x 1, Software Manual x 1 Kelvin Clips (2 clips, 6A max) x 1 set



Kelvin Clips