



SL102 - Solar PV Meter c/w DMM Features



The image shows the Di-LOG SL102 Solar Power Meter, a yellow and black handheld device with a digital display and various function buttons. It is connected to a black sensor probe with a coiled cable. The background is a green gradient with a faint sine wave pattern.

- W/m² & BTU/ft² Measurement
- Unique Dual Display
- VOC Measurement
- Min/Max & Hold
- Auto Power Off
- MC4 Lead set
- Simultaneous Solar and Voltage Measurement for in situ testing before installation

- Sunlight measurement to 1999 w/m²
Or 634 BTU/(ft²*h)
- High accuracy and rapid response
- Data Hold function
- Manual scale selection
- Direct read out
- Minimum and maximum values
- Low battery indication
- EN61010-1, CAT III 600V
CAT II 1000V

www.dilog.co.uk

Tel: 0800 018 9112 Fax: 0800 018 6711

SPECIFICATIONS

Irradiance (Auto-ranging)

Range	Resolution	Accuracy
1999w/m ²	1w/m ²	Typically within ±5% of rdg or ±10W/m ²
634BTU/(ft ² *h)	1 BTU/(ft ² *h)	Typically within ±5% of rdg or ±3 BTU/(ft ² *h)

Sample Time: 0.25 Seconds.

Accuracy: As above plus "whichever is greater in sunlight; Additional temperature included in error ±0.38W/m² /°C.
< ±3/year

DC Voltage (Auto-ranging)

Range	Resolution	Accuracy
200mV	1mV	±0.5 % of rdg + 3 dgts
2.000V	0.001V	±1.0% of rdg + 3 dgts
20.00V	0.01V	±1.0 % of rdg + 3 dgts
200.0V	0.1V	±1.0 % of rdg + 3 dgts
600V	1V	±1.0 % of rdg + 3 dgts

Input Impedance: 7.5MΩ.

Maximum Input: 600V DC or 600V AC rms.

AC Voltage (Auto-ranging)

Range	Resolution	Accuracy
2.000V	0.001V	±1.0 % of rdg + 5 dgts
20.00V	0.01V	±1.0 % of rdg + 5 dgts
200.0V	0.1V	±1.5 % of rdg + 10 dgts
600.0V	1V	±1.5 % of rdg + 10 dgts

Input Impedance: 7.5MΩ.

Frequency Range: True RMS, 50 to 60Hz

Maximum Input: 600V DC or 600V AC rms.

DC Current (Auto-ranging)

Range	Resolution	Accuracy
200.0μA	0.1μA	±1.5 % of rdg + 3 dgts
2000μA	1μA	±1.5 % of rdg + 3 dgts
20.00mA	0.01mA	±2.0 % of rdg + 3 dgts
200.0mA	0.1mA	±2.0 % of rdg + 3 dgts

Overload Protection: 200mA Fused / 250V.Fast Acting

Maximum Input: 200mA

AC Current (Auto-ranging)

Range	Resolution	Accuracy
200.0μA	0.1μA	±1.8 % of rdg + 8 dgts
2000μA	1μA	±1.8 % of rdg + 8 dgts
20.00mA	0.01mA	±2.5 % of rdg + 8 dgts
200.0mA	0.1mA	±2.5 % of rdg + 8 dgts

Overload Protection: 200mA Fused / 250V.

Maximum Input: 200mA

Resistance (Auto-ranging)

Range	Resolution	Accuracy
200.0Ω	0.1Ω	±0.8 % of rdg + 5 dgts
2.000kΩ	0.001kΩ	±1.2 % of rdg + 3 dgts
20.00kΩ	0.01kΩ	±1.2 % of rdg + 3 dgts
200.0kΩ	0.1kΩ	±1.2 % of rdg + 3 dgts
2.000MΩ	0.001MΩ	±2.0 % of rdg + 5 dgts
20.00MΩ	0.01MΩ	±5.0 % of rdg + 8 dgts

Input Protection: 600V DC or 600V AC RMS.

Audible continuity

Audible threshold: Less than <150Ω;

Test current: 0.35mA

Overload protection: 600V DC or AC RMS.

Diode Test

Test current: 1mA max typical/Open MAX 3V DC

Open circuit voltage: MAX 2.8V DC

Overload protection: 600V DC AC RMS.

Miscellaneous

Operating Temp: 5°C-40°C, below 80%RH

Display: 3 ½ digits LCD with max reading 1999

Supplied with: 1 x 9V battery & 2 x 1.5 AAA & Carry Case

Dimensions: 162(H) x 74.5(W) x 44(D) mm

Weight: About 308g

**All Di-log Solar Testers
supported by a
2 Year Warranty**



Di-log Test Equipment
Unit 28 Wheel Forge Way
Trafford Park
Manchester
M17 1EH

Sales: (0161) 877 0322

Fax: (0161) 877 1614

Email: sales@dilog.co.uk