



SL200 - Solar PV Installer KIT



• **W/m² & BTU/ft²*h Measurement**

• **Double Moulded**

• **Hold Function**

• **Auto Power Off**

• **Carry Case**

• **1000A AC/DC**

• **Temperature**

• **MC4 Test Leads**

SL101 - Features

- Irradiance measurement to 1999W/m²
Or 634BTU/(ft²*h)
- High accuracy and rapid response
- Data Hold Function

DL6402- Features

- AC-DC Voltage to 600V,
- AC-DC Current to 1000A
- Resistance to 40MΩ
- MC4 Lead for VOC Measurement
- Temperature to 1000°C

www.dilog.co.uk

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SPECIFICATIONS

Irradiance (Auto-ranging)

Range	Resolution	Accuracy
1999w/m ²	1w/m ²	Typically within $\pm 5\%$ of rdg or $\pm 10\text{W/m}^2$
634BTU/(ft ² *h)	1 BTU/(ft ² *h)	Typically within $\pm 5\%$ of rdg or $\pm 3 \text{ BTU}/(\text{ft}^2*\text{h})$

Sample Time: 0.25 Seconds.

Accuracy: As above plus "whichever is greater in sunlight; Additional temperature included in error $\pm 0.38\text{W/m}^2 / ^\circ\text{C}$.
< $\pm 3/\text{year}$

Miscellaneous

Operating Temp: 5°C-40°C, below 80%RH

Display: 3 1/2 digits LCD with max reading 1999

Supplied with: 1 x 9V battery & Carry Case

Dimensions: 142(H) x 65(W) x 44(D) mm

Weight: About 208g

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



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

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DL6402 - SPECIFICATIONS

DC Voltage

Range	Resolution	Accuracy
400.0mV	0.1mV	±0.8 % of rdg ± 3 dgts
4.000V	1mV	±1.5 % of rdg ± 3 dgts
40.00V	10mV	±1.5 % of rdg ± 3 dgts
400.0V	100mV	±1.5 % of rdg ± 3 dgts
600V	1V	±2.0 % of rdg ± 2 dgts

Maximum Input: 600V DC

AC Voltage

Range	Resolution	Accuracy
400.0mV	0.1mV	±1.8 % of rdg ± 20 dgts
4.000V	1mV	±1.8 % of rdg ± 5 dgts
40.00V	10mV	±1.8 % of rdg ± 5 dgts
400.0V	100mV	±1.8 % of rdg ± 5 dgts
600V	1V	±2.5 % of rdg ± 5 dgts

Maximum Input: 600VAC

Note: No Autoranging on 400mV Range

DC Current - DL6402 Only

Range	Resolution	Accuracy
40.00A	10mA	±2.8 % of rdg ± 10 dgts
400.0A	100mA	±2.8 % of rdg ± 5 dgts
1000A	1A	±3.0 % of rdg ± 5 dgts

Maximum Input: 1000A

AC Current

Range	Resolution	Accuracy
40.00A	10mA	±3.0 % of rdg ± 10 dgts
400.0A	100mA	±3.0 % of rdg ± 5 dgts
1000A	1A	±3.0 % of rdg ± 5 dgts

Maximum Input: 1000A

Resistance

Range	Resolution	Accuracy
400.0Ω	0.1Ω	±1.0 % of rdg ± 4 dgts
4.000kΩ	1Ω	±1.5 % of rdg ± 2 dgts
40.00kΩ	10Ω	±1.5 % of rdg ± 2 dgts
400.0kΩ	100Ω	±1.5 % of rdg ± 2 dgts
4.000MΩ	1kΩ	±1.5 % of rdg ± 2 dgts
20.00MΩ	10kΩ	±3.5 % of rdg ± 10 dgts
40.00MΩ	10kΩ	±3.5 % of rdg ± 10 dgts

Input Protection: 250V DC or 250V AC

Capacitance

Range	Resolution	Accuracy
40.00nF	10pF	±5.0 % of rdg ± 100dgts
400.0nF	0.1pF	±3.0 % of rdg ± 5 dgts
4.000uF	1nF	±3.5 % of rdg ± 5 dgts
40.00uF	10nF	±3.5 % of rdg ± 8 dgts
100.0uF	0.1uF <20uF	±5.0 % of rdg ± 5 dgts

Input Protection: 250V DC or 250V AC

Diode Test

Test current: 0.3mA typical

Open circuit voltage: 1.5V DC typical

Overload protection: 250V DC or AC

Audible continuity

Audible threshold: Less than 100Ω

Test current: <1mA

Overload protection: 250V DC or 250VAC.

Temperature

Range	Resolution	Accuracy
-20 to 100.0°C		±3.0 % of rdg ± 5 dgts
-4 to 1832°F		±3.0 % of rdg ± 7 dgts

Maximum Input: 60V DC or 24V AC

Frequency

Range	Resolution	Accuracy
5.000Hz	0.001Hz	±1.5 % of rdg ± 5 dgts
50.00Hz	0.01 Hz	±1.2 % of rdg ± 2 dgts
500.0Hz	0.01Hz	±1.2 % of rdg ± 2 dgts
5.000kHz	1Hz	±1.2 % of rdg ± 2 dgts
50.00kHz	10Hz	±1.2 % of rdg ± 2 dgts
100.0kHz	100Hz	±1.2 % of rdg ± 2 dgts

Maximum Input: 250V DC or 250V AC

Duty Cycle

Range	Resolution	Accuracy
0.5 to 99%		±3.0 % of rdg ± 5°C
Pulse width: 100us to 100us, Frequency: 5.000Hz		

Miscellaneous

Supplied with 1x 9V battery

Dimensions: 229(H) x 80(W) x 49(D) mm

Weight: 303g

**All Di-log Clamp Meters
supported by a
2 Year Warranty**



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1, EN 61010-02-031

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