

SL520

Expert Solar PV Test Kit

The NEW SL520 Expert Solar PV Test Kit is designed to streamline the installation and maintenance of Solar PV Systems. This powerful toolset enables the measurement of Irradiance, temperature, current, and a wide DC Voltage range, including a Voltage Open Circuit (VOC) measurement up to 1000V DC.

At the heart of the SL520 is the NEW SL104 Solar Irradiance Survey Tool. This innovative device measures both solar irradiance and temperature. Users can conveniently measure the PV panel surface temperature with the built-in internal probe or the underside cell temperature with the attached external surface probe as outlined in IEC 62446-1. The SL104 also includes an inbuilt compass inclinometer, allowing for on-site surveys to measure roof pitch angle and proposed array direction with the directional magnetometer.

The SL520 is further enhanced by the inclusion of the DL6508 TRMS 1500A AC/DC Clamp Meter with Power Measurement. This meter offers Voltage Measurement up to 1000V DC, making it ideal for high VOC measurements on large domestic and medium commercial PV systems. Packed with advanced features such as 40,000 count display, Inrush Current, Power Measurement (kVA/kW), Power Factor and a digital bargraph, the DL6508 is equipped to handle the most demanding applications.

Kit includes:

- **SL104 - Solar Irradiance Survey Meter**
- **DL6508 - TRMS 1500A AC/DC Clamp Metetr**
- **SLLSC4 - Type 4 Solar Test Lead Set**
- **CCDL001 - Test Kit Carry Case**

Accessories included:

- **Test Lead Set with GS38 shrouded probes**
- **External Temperature Probe**
- **K-Type Adaptor**
- **K-Type Temperature Thermocouple**
- **Batteries**



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All Di-LOG Solar Kit
supported by a
2-Year Warranty



SL104

Solar Irradiance Survey Meter

The Di-LOG SL104 Solar Irradiance Survey Meter is the ideal tool for pre-install survey, installation and maintenance of Solar Thermal and Solar Photovoltaic (PV) systems. The high-precision survey meter combines everything that the renewable energy installer requires in one simple handheld device measuring the solar irradiance, cell surface temperature either with the inbuilt sensor or external probe, array/roof pitch angle and magnetic direction with the inbuilt magnetometer enabling it to meet the defined standards outlined in IEC 62446-1.

Key Features:

- **Solar Irradiance Measurement to 1400W/m²:** Indicating in real time how much solar power is available to convert into electricity.
- **Inbuilt Cell Temperature Sensor:** The inbuilt surface probe located on the base of the SL104 offers a quick indication of the surface cell temperature.
- **External Cell Temperature Probe:** The attachable external probe connects directly to the SL104 and offers a quick indication of the underside cell temperature of the panel.
- **Inbuilt Magnetometer Compass:** The inbuilt compass enables you to determine the roof direction to gain an accurate array direction.
- **Roof Pitch Inclinometer:** The integrated inclinometer will assist to determine an accurate pitch of the roof angle the array is intended to be mounted on helping calculate the efficiency of the array.

Applications:

Electrical engineering | Domestic and commercial solar thermal and solar PV installation



SL104 Solar Irradiance Survey Meter	
SL104	
Irradiance Range	0 - 1400 W/m ²
Resolution & Accuracy	1 W/m ² ±(5% + 5 Digits)
Meter Temperature Range	-10°C to 50°C (14°F to 122°F)
Probe Temperature Range	-30°C to 100°C (-22°F to 212°F)
Inclination Measurement	-90° to 90° (0.1° Resolution)
Compass Measurement	0° to 360° (1° Resolution)
Dimensions	176mm x 70mm x 40mm
Weight (net)	390g (inc probe & batteries)
Power supply	4 x AA Battery (LR6/GLR6A) supplied
Supplied with	Temperature Probe & Case
Warranty	2 years
EAN	5060082544729

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DL6508

TRMS 1500A AC/DC Clamp Meter

The Di-LOG DL6508 is a high-performance True RMS digital clamp meter designed for precise measurements in electrical engineering applications. Its robust construction and advanced features including a 1000V DC measurement, Power Measurement, Inrush Current make it suitable for a wide range of tasks, including domestic and medium commercial solar installations.

Key Features:

- **Accurate AC/DC Current Measurement:** Measures up to 1500A with exceptional accuracy, ensuring reliable results.
- **Versatile Voltage Measurement:** Handles both AC and DC voltages up to 750V AC & 1000V DC, making it adaptable to various applications.
- **Compact and Ergonomic Design:** The streamlined body and 55mm jaw opening allow for easy handling and access to confined spaces.
- **Comprehensive Measurement Capabilities:** Includes additional functions such as kVA/kW Power Measurement, Inrush Current, Digital Bargraph, and a 40,000 count backlit LCD display.
- **Safety and Protection:** Rated CAT IV 600V/CAT III 1000V for safe operation and complete protection across all measurement ranges.

Applications:

Electrical engineering | Domestic and commercial solar installations
Industrial maintenance | HVAC systems | Automotive diagnostics

Specifications

Measurement	
AC Voltage	0.0001V - 750.00V AC
DC Voltage	1mV - 1000DC
Non-contact Voltage	1000V AC
AC Current	0.1A - 1500A AC
DC Current	0.1A - 1500A DC
kW/kVA Power Measurement	900.0 kW / 900.0 kVA
Power Factor	0.3 - 1
Resistance	0.0001 Ω - 40.000 MΩ
Capacitance	0.01nF - 40.00 mF
Frequency	9.999Hz - 40.000MHz
Temperature °C	-20°C to 1000°C
Temperature °F	-4°F to 1832°F
Diode test	0.3 mA typical 3.2V DC
Other Information	
Clamp Jaw Size	55mm
Power supply	1 x 9V PP3 alkaline battery (supplied)

