

PRODUCT OVERVIEW

Solar Test Kit



The Megger Solar Test Kit provides technicians with the tools and resources needed to safely and effectively install, commission and maintain PV arrays of all sizes. Technicians need accurate and easy-to-use tools when working on PV systems. The Megger line of tools is designed to meet the needs of field technicians and provide system owners and operators the information required to maintain their investments.

DCM1500S Digital Clamp Meter



The latest tool in the Megger line, the DCM1500S, is a digital clamp meter that will meet the needs of PV technicians working in any market segment. Standard meter features include:

- 2,000 Vdc and 1,000 Vac measurement capabilities
- Standard probes, alligator clamps and PV-specific MC4 leads
- 1,500 A ac and dc current measurements
- Temperature probe
- Bluetooth communication and recording
- Non-contact voltage detection

PVM210 Irradiance Sensor

The PVM210 is a handheld sensor that allows users to quickly measure the irradiance or intensity of the sunlight striking the array. Since the amount of current a PV module can produce is directly proportional to the irradiance striking the array, this measurement is critical when validating the performance of a PV system. The PVM210 provides technicians the ability to correlate the current output from their array with the irradiance for accurate calculations on the array performance. Features include:

- Multiple units of measurement, Btu and W/m²
- Hold button to freeze reading on display
- Range feature to provide more accurate readings in low light conditions
- Zero button to calibrate tool



MIT2500 Insulation Resistance Tester



The MIT2500 is a handheld insulation resistance tester with the ability to run tests from 50 V to 2,500 V with readings up to 200 GΩ. This provides field technicians the ability to perform IR tests on all PV and inverter output circuits for residential, commercial and utility-scale systems. It also can be used per ANSI guidelines on circuits with ratings less than 25 kV, making it applicable on many large-scale installations. The integrated guard terminal provides a higher level of accuracy by properly accounting for surface leakage during the IR tests. This gives the users a higher degree of confidence in their results and a better set of data for analyzing the conductors. Features include:

- Only handheld IR tester with integrated guard terminal
- Internal data storage with Bluetooth connectivity for data transmission
- Rechargeable battery options
- Voltage, resistance and capacitance testing capabilities
- Adjustable pass/fail levels for quick field evaluation

TC3231 Thermal Camera

The Megger TC3231 is a thermal camera that allows users to quickly and safely assess the PV modules, junction boxes, combiner boxes and electrical connections for abnormal heat. The camera can be used to scan PV modules that have been identified for poor performance to locate bad cells, wiring or diodes. The camera can also be used to analyze electrical connections in inverters, combiner boxes and panelboards to identify poor connections and possible failure points. Features include:

- SIM card for storing up to 6,000 images
- -20° C - 300° C temperature range
- Image blending to allow non thermal images and multiple levels of thermal visibility
- Adjustable emissivity gain for various surfaces being tested
- Time display to assist in data collection and analysis

