

## PVK350 Photovoltaic Kit



- DCM1500S AC / DC solar clamp meter
- PVM210 irradiance meter
- PVHV1 (4 mm) test leads
- PVHV2 (PV) test leads
- PV solar connectors to 4 mm test leads
- PV conversion adaptor test leads
- TP100 K-Type Thermocouple probe

### DESCRIPTION

When installing, commissioning and testing a photovoltaic installation, additional instrumentation is required to accompany the usual electrician's test equipment.

The PVK350 photovoltaic kit offers the additional equipment in the form of the DCM1500S AC / DC solar clamp meter, PVM210 irradiance meter and a range of specialist PV test leads, supplied in a single protective hard carry case.

#### PVM210

The PVM210 is a pocket size instrument that has both solar detector and meter combined in one unit that permits single handed use, ideal for working at height and on sloping roofs.

The unit has a 3¾ digit display and a maximum range of 1999 W/m<sup>2</sup>. A hold function allows easy measurements of solar power.

Measured values can also be displayed in BTU (British Thermal Unit).

#### DCM1500S

The DCM1500S clamp meter offers measurements up to 2000 V DC and 1500 V AC on non-mains connected circuits (using the PVHV leads), as well as 1500 A AC or DC.

In addition to voltage and current measurement the DCM1500S has the ability to measure Resistance, Diodes, Capacitance, Temperature and Frequency.

The DCM1500S is ideal for use in the installation, monitoring and testing of photovoltaic systems as well as general electrical testing.

When used with the Megger Link App the measurement value can be remotely monitored on a smart device using built in Bluetooth®. This allows a live trending graph and also the ability to sample and log values for later analysis.

The DCM1500S is safety rated to IEC 61010-1 and IEC/EN 61010-2-033 CAT IV 600 V, and CAT III 1000 V.

#### PV Test leads

The PVK350 kit includes the PVHV1 (4 mm connection) and PVHV2 (PV) lead sets for high voltage tests.

Additionally, a standard 4 mm to PV connector lead set is provided together with a PV connector adaptor lead set.

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## SPECIFICATIONS

### PVM210

<b>Display:</b>	3¾ digit LCD
<b>Ranges:</b>	1999 W/m <sup>2</sup> / 634 BTU/(ft <sup>2</sup> *h)
<b>Accuracy:</b>	typically within ± 10 W/m <sup>2</sup> / ±3 BTU/(ft <sup>2</sup> *h)
<b>Resolution:</b>	0.1 W/m <sup>2</sup> / 0.1 BTU/(ft <sup>2</sup> *h)
<b>Dimensions:</b>	(HxWxD) 134 mm x 48 mm x 27 mm
<b>Weight:</b>	90g (approx.)
<b>Batteries:</b>	2 x AAA, MN2400, LR03

### DCM1500S

<b>Display:</b>	6000 counts
<b>DC Voltage:</b>	1000 V
<b>AC Voltage:</b>	1000 V
<b>PV DC Voltage:</b>	2000 V (using PVHV1 or PVHV2 lead sets)
<b>PV AC Voltage:</b>	1500 V using PVHV1 or PVHV2 lead sets)
<b>DC mV:</b>	600.0 mV
<b>AC / DC µA:</b>	4000 µA
<b>AC / DC Current:</b>	1500 A
<b>Frequency:</b>	10.000 kHz
<b>Resistance:</b>	600.0 kΩ
<b>Continuity:</b>	Buzzer sounds < 20 Ω Buzzer off > 200 Ω (Between 20 Ω to 200 Ω buzzer may be either on or off)
<b>Diode:</b>	1.500 V
<b>Capacitance:</b>	1000 µF

<b>VoltSeek:</b>	High Sensitivity / 80 V ~ 1000 V (At the top edge of the jaw)
	Low Sensitivity / 160 V ~ 1000 V (At the top edge of the jaw)
<b>Temperature:</b>	-40.0 °C – 400.0 °C -40.0 °F – 752.0 °F

For full information on individual instruments and electrical specifications please refer to the appropriate datasheets on each instrument.

### PV test leads

<b>PVHV1 (4 mm) leads:</b>	2000 V DC/1500 V AC
<b>PVHV2 (PV) leads:</b>	2000 V DC/1500 V AC

**Note:** PVHV1 and PVHV2 leads are designed for use on circuits not directly connected to mains supply

1 pair 1.3 metre leads terminated with 4 mm plugs and PV solar connectors

1 pair 0.2 metre adaptor leads terminated with PV conversion adaptor leads

<b>Maximum current:</b>	19 amps
<b>Maximum voltage:</b>	1000 V

## ORDERING INFORMATION

Description	Part number	Description	Part number
PVK350 Photovoltaic Kit	1014-805	<b>Included Accessories</b>	
		PVM210 Irradiance meter	1002-548
		DC1500S AC / DC clamp meter	1013-357
		DCM 4 mm lead det (inc. probes and clips)	1013-358
		PVHV1 leads (4 mm plugs)	1013-362
		PVHV2 leads (PV plugs)	1013-363
		PV test leads (2 sets)	1002-549
		TP100 Thermocouple probe	1013-364
		Batteries	
		Hard carry case	

### SALES OFFICE

Megger Limited  
Archcliffe Road Dover  
CT17 9EN England  
T +44 (0) 1304 502101  
E UKsales@megger.com

### PVK350\_DS\_en\_V02

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