PVK330
Photovoltaic kit



- **PVM210 irradiance meter**
- **DCM340 600 A ac / dc clampmeter**
- **MC4 solar connectors to 4 mm standard plug test leads**
- **MC3 to MC4 adapter test leads**
- **PV kit storage pouch**

DESCRIPTION

When installing, commissioning and testing a photovoltaic installation additional instrumentation is required to accompany the usual electrician's test equipment such as the Megger MFT1730 and MFT1835 multifunction testers.

The Megger PVK330 photovoltaic kit offers this additional instrumentation in the form of a PVM210 irradiance meter, DCM340 600 A ac / dc clampmeter and a kit of specialist solar testleads.

To provide easy storage of the PV kit a zipped pouch is also included.

The PVK330 kit offers the solar / photovoltaic engineer a clampmeter option of verifying, with the PVM210 irradiance meter, the stated short circuit current as provided by the manufacturer of the solar panel as required by published standards.

In addition, this clampmeter offers the option of testing the current within each 'string' on a larger solar array without disconnection of cables.

PVM210 Irradiance meter

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/m². A hold function allows easy measurements of solar power.

DCM340 clampmeter

The DCM340 clampmeter features 600 V ac / dc and 600 A ac / dc ranges. Additional functions include resistance and frequency. A hold feature to enable easy measurements is also included. The additional functions would also prove to be of use in other sections of the photovoltaic installation.

Silicon test leads with probes and a protective storage pouch are provided with each clamp.

Specialist PV testleads

In addition to the silicon multimeter test leads supplied with the DCM340 two pairs of specialist solar test leads are included in the PVK330. The first pair of leads comprise of 1.3 metre test leads terminated at each end with standard 4 mm plugs while the other ends are terminated with the MC4 type solar panel connector. Where panels are fitted that utilise MC3 connectors, a pair of MC3 to MC4 0.2 metre adapter leads is supplied for convenience.

SPECIFICATIONS

PVM210

Display:	3¾ digit LCD
Ranges:	1999 W/m² / 634 BTU/(ft²*h)
Accuracy:	typically within ± 10 W/m² / ±3 BTU/(ft²*h)
Resolution:	0.1 W/m² / 0.1 BTU/(ft²*h)
Dimensions:	134 mm (H) x 48 mm (W) x 27 mm (D)
Weight:	approx. 90g
Batteries:	2 x AAA, MN2400, LR03

DCM340

dc / ac volts:	600 V dc / 600 V ac
dc / ac current:	600 A dc / ac
Resistance:	400 Ω
Frequency:	400 Hz
Dimensions:	68 mm (W) x 237 mm (H) x 42 mm (D)
Weight:	225g
Batteries:	9 V PP3, 6F22, NEDA

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

PV test leads

1 pair 1.3 metre leads terminated with 4 mm plugs and MC4 solar connectors
1 pair 0.2 metre adapter leads terminated with MC4 and MC3 solar connectors

Maximum current:	19 A
Maximum voltage:	1000 V

Zipped pouch

Dimensions:	230 mm (L) x 170 mm (W) x 70 mm (D)

ORDERING INFORMATION

Item (Qty)	Cat. No.
PVK330 Photovoltaic kit consisting of: PVM210 Irradiance meter DCM340 clampmeter PV test leads (2 sets) Zipped Pouch	1002-551
Included accessories	
Batteries	
PVM210 pouch	
DCM standard test leads with probes	
Calibration certificate (PVM210 only)	

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CERTIFICATION ISO
Registered to ISO 9001:2008 Cert. no. Q 09250
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