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The PV150+ allows electrical safety and performance verification of modern photovoltaic installations.

The PV150+ is an upgraded version of the popular PV150, designed to better support the testing of PV modules with recent technology advances and associated higher efficiencies.

Combines ground continuity, DC operating power and operating current test functions. It can also test insulation resistance, open circuit voltage and short circuit current at the push of a button.

Why buy the PV150+?

> Improved capacitive induced in-rush protection by a factor of 300%

> Combines PV commissioning tests required by IEC 62446.

> Enables the user to safely test energized PV arrays

> Easy to use, single key testing and measurement operation

> On-board data storage and USB connectivity for data export

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Key Features:

> Ground (earth) continuity measurement with test lead null for long test-leads

> PV string open circuit voltage measurement up to 1000V DC with polarity indication

> PV string short circuit current measurement up to 15A DC

> PV array insulation test at 250/500/1000V

> Tests individual PV modules or strings



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What's in the box?	Technical Specification:	
> PV150+	Open Circuit Voltage Measurement (PV Terminals)	
> 2x MC4 test lead adaptors	Display Range Measuring Range	0.0VDC - 1000VDC 5.0VDC - 1000VDC
> 2x Combiner box test probes and detachable alligator clips (MC4)	Resolution Accuracy	0.1VDC maximum ± (0.5 % + 2 digits)
> AC/DC current clamp	Enunciators	DC voltage polarity correct or reversed
 Solar Survey 200R irradiance meter and temperature probe 	Short Circuit Current Measurement (PV Terminals) Display Range 0.00ADC - 15.00ADC	
> Solar Survey 200R mounting bracket	Measuring Range Maximum Power	0.50ADC - 15.00ADC 10kW
> Rugged carry bag	Resolution Accuracy	0.01ADC maximum ± (1% + 2 digits)
> Quick Start Guide	k Start Guide Earth Continuity Resistance Measurement (4mm Terminals)	
> UKAS Calibration Certificate	Test Voltage Open Circuit	>4VDC, nominal
> SolarCert PC Software	Test Current into 2 Ω	>200mA
	Display Range Measuring Range (EN 61557-4)	0.00Ω - 199Ω 0.05Ω - 199Ω
Optional Accessories:	Resolution	0.01Ω maximum
> Solar Power Clamp	Accuracy	± (2% + 5 digits)
> MC4 fused / unfused test leads	Test Leads Zero	Zero up to 10 Ω , by zero button
	Visible Warning	≥30V AC or DC at inputs Test inhibited if ≥30V AC or DC
	Circuitry Protection	at inputs
	Repeat tests as per IEC61557-4	Approx 4000 1 second test
	Repeat tests as per IEC61557-4 Insulation Resistance (Auto Test Sequence, PV Terminals and Test Voltage Open Circuit Test Voltage @ ImA Test Current Short Circuit Display Range Measuring Range (EN 61557-2) Resolution Accuracy Visible Warning Circuitry Protection Repeat tests as per IEC61557-4	

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Display Range Voltage Measuring Range	30V - 440VAC/DC 30V - 440VDC
voltage Measuring Range	30V - 440VDC 30V - 440VAC 50-60Hz
Resolution	1V
Accuracy	± (5% + 2 digits)
Operating Current (via AC/DC	Current Clamp)
Display Range	0.1A - 40.0A
Current Measuring Range	0.1A - 40.0A DC
	0.1A - 40.0A AC 50-60Hz
Resolution	0.1A
Accuracy	± (5% + 2 digits)
	C Current Clamp and PV Terminals)
Display Range	0.00kW - 40kW
Measuring Range	0.50kW - 40kW
Resolution	0.01kW
Accuracy	± (5% + 5 digits)
General Specification	
Instrument Dimensions and W	/eight
Weight	1.1kg
Dimensions	26.4 x 10.7 x 8cm
Display	Custom LCD with backlight
Power Source	6 x 1.5V AA cells
Battery life	>1000 test sequences
Auto power down	User programmable
Onboard memory	Up to 200 complete test datase
Connectivity	
USB download to PC (CSV forma	at)
Wireless "Solarlink TM" to Survey	/ 200R (range ~30m/100ft)
Software compatibility	
Compatible with SolarCert softw	vare (English language only)
Service	
2 year warranty (subject to term	s and conditions. available at

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