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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 Enunciators	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 > Solar Survey 200R mounting 	Short Circuit Current Measurement (Display Range Measuring Range	PV Terminals) 0.00ADC - 15.00ADC 0.50ADC - 15.00ADC
bracket > Rugged carry bag	Maximum Power Resolution Accuracy	10kW 0.01ADC maximum ± (1% + 2 digits)
> Quick Start Guide	Earth Continuity Resistance Measur	
> UKAS Calibration Certificate > SolarCert PC Software	Test Voltage Open Circuit Test Current into 2 Ω Display Range	>4VDC, nominal >200mA 0.00Ω - 199Ω
Optional Accessories:	Measuring Range (EN 61557-4)	0.05Ω - 199Ω
> Solar Power Clamp	Resolution Accuracy	0.01Ω maximum ± (2% + 5 digits)
> MC4 fused / unfused test leads	Test Leads Zero Visible Warning Circuitry Protection	Zero up to 10Ω, by zero button ≥30V AC or DC at inputs Test inhibited if ≥30V AC or DC at inputs
	Repeat tests as per IEC61557-4	Approx 4000 l second test
	Insulation Resistance (Auto Test Sequence, PV Terminals and Red 4mm Terminal)Test Voltage Open Circuit250V, 500V, 1000V	
	Test Voltage Open Circuit Test Voltage Specification Test Voltage @ 1mA Test Current Short Circuit Display Range Measuring Range (EN 61557-2) Resolution Accuracy Visible Warning Circuitry Protection Repeat tests as per IEC61557-4	(as per IEC61557-2) -0% + 20% (open circuit) >1mA into UN x (1000 Ω /V) <2mA $0.05M\Omega - 199M\Omega$ $0.05M\Omega - 199M\Omega$ $0.01M\Omega$ maximum $0.05M\Omega - 100M\Omega \pm (5\% + 5 \text{ digits})$ $101M\Omega - 199M\Omega \pm (10\% + 5 \text{ digits})$ $\ge 30V \text{ AC or DC at inputs}$ Test inhibited if $\ge 30V \text{ AC or DC}$ at inputs Approx 3000 1 second tests

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Display Range	30V - 440VAC/DC 30V - 440VDC
Voltage Measuring Range	30V - 440VDC 30V - 440VAC 50-60Hz
Resolution	300 - 440VAC 50-60Hz 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)
DC Operating Power (via AC/I	DC 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 V	Veight
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 form	at)
Wireless "Solarlink TM" to Surve	
Software compatibility	
Compatible with SolarCert soft	ware (English language only)
Service	
	as and conditions, available at
\angle year warrancy (SUDJECT to Leff)	ns and conditions, available at

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