PV:1525

Handheld 1500V 25A PV Test Instrument

The PV:1525 is designed for installers and O&M engineers to allow electrical safety testing and performance measures in PV systems up to 1500VDC and 25A, ideal for residential and commercial level installations.

The PV:1525 performs Ground Continuity, Insulation Resistance, Open Circuit Voltage, and Short Circuit Current.

With a new innovative user interface, the PV:1525 retains the ease of use from the previous generation while adding additional features fit for a modern test instrument. Results can be tagged with information relating to the installation for ease of data management.

With Bluetooth capabilities, test results can be easily transferred to a mobile app for review and further sync with software, ensuring your device is always up to date with the latest features.

Key Measurement Features:

> PV String Open Circuit Voltage Measurement up to 1500V DC

> PV String short circuit Current up to 25A DC

> Insulation Resistance voltage up to 1500V DC

Part Numbers:

> PV:1525 Kit (601A910)

Together, we're making our world a safer place.
Every. Single. Day.
T: +44 (0) 191 587 8741 E: sales@seaward.com

SEAWARD
GMC-INSTRUMENTS GROUP

See the **PV:1525** for yourself, request your FREE live online demonstration today at **seaward.com/PV1525**

Key Features:

> Bluetooth data transfer to new PV Mobile App

> Wireless Updates – Firmware changes can be applied to the device via the App

> Intuitive Colour Display

> Illuminated Function Buttons allow for guided navigation and testing

> Internal Memory for results storage

> Manual Mode for Diagnostic testing

What's in the box?:

> 1 x PV:1525 instrument

> 1 x Carry Case

> 1 x Set 4mm Test Probes – Red, Black and Yellow (With detachable Clips)

> 1x Set Instrument to MC4 Test Leads - Yellow and Black

> 1 x LiPo Battery Pack

> 1 x Battery Charger

> 1 x Printed QSG

> 1x SS200LR Irradiance Meter

> 1 x PV:1500 Clamp (Wireless Clamp Meter)

> 1x Solar Panel Clamp

> 1x Solar Certs

Technical Specification:

Open Circuit Voltage Measurement (PV Terminals)

Display Range	0.0VDC - 1500VDC
Measuring Range	5.0VDC - 1500VDC
Resolution	0.1VDC maximum

Short Circuit Current Measurement (PV Terminals)

Display Range	0.00ADC - 25.00ADC
Measuring Range	0.50ADC - 25.00ADC
Maximum Power	37.5kW
Resolution	0.01 ADC maximum

Earth Continuity / Resistance Measurement (4mm Terminals)

Test Voltage Open Circuit	>4VDC, nominal
Test Current into 2Ω	>200mA
Display Range	0.00Ω - 199Ω
Measuring Range (EN 61557-4)	0.05Ω - 199Ω
Resolution	0.01Ω maximum
Test Leads Zero	Zero up to 10Ω
Visible Warning	≥30V AC or DC at inputs
Circuitry Protection	Test inhibited if ≥30V AC or DC at inputs
Repeat tests as per IEC61557-4	Approx 4000 1 second tests

Insulation Resistance Measurement (4mm Terminals)

Test Voltage Open Circuit	250, 500, 1000, 1500V (as per IEC61557-2)
Test Current Short Circuit	2mA
Display Range	0.05MΩ - 300MΩ
Measuring Range (EN61557-2)	0.05MΩ - 300MΩ
Resolution	0.01MΩ Maximum
Visible Warning	≥30V AC or DC at inputs
Circuitry Protection	Test inhibited if ≥30V AC or DC at inputs
Repeat tests as per IEC61557-4	Approx 4000 1 second tests

Rpe Voltage Measurement (4mm Terminals)

Display Range	30V - 440VAC/DC
Voltage Measuring Range	30V - 440VDC
	30V - 440VAC 50-60Hz
Resolution	1V

Operating Current (Wireless via PV:1500 Clamp)

Display Range	0.1A - 40.0A
Current Measuring Range	0.1A - 40.0A DC
	0.1A - 40.0A AC 50-60Hz

Together, we're making our world a safer place.
Every. Single. Day.
T: +44 (0) 191 587 8741 E: sales@seaward.com

SEAWARD
GMC-INSTRUMENTS GROUP

See the **PV:1525** for yourself, request your FREE live online demonstration today at **seaward.com/PV1525**

Technical Specification (Continued):

Operating Power (PV Terminals & wireless using PV:1500 Clamp)

Display Range	0.00kW - 40kW
Measuring Range	0.50kW - 40kW
Resolution	0.01kW

General Specification

Weight	1kg / 2.2lb
Dimensions	265 x 115 x 78 mm
	10.4 x 4.6 x 3.1 in
Display	3.5in Colour display with Backlight
Power Source	11.55V 2930mAH LiPo Battery
Auto Power Down	User Configurable
Onboard Memory	1000 Slots

Rev 1

Together, we're making our world a safer place.
Every. Single. Day.

SEAWARD
GMC-INSTRUMENTS GROUP

See the **PV:1525** for yourself, request your FREE live online demonstration today at **seaward.com/PV1525**