

TECHNICAL DATA

Solar Tools Kit with PVA-1500HE2 PV Analyzer, 1537 Insulation Resistance Tester and 283 FC/PV Solar Digital Multimeter, Wireless Current Clamp



Key features

- Complete PV analysis kit for systems up to 1500 V DC
- Performs I-V curve tracing for module performance testing
- Insulation testing up to 2,500 V and 500 GΩ resistance
- Wireless current and voltage logging for diagnostics
- Ideal for commissioning, maintenance, and troubleshooting

Product overview: Solar Tools Kit with PVA-1500HE2 PV Analyzer, 1537 Insulation Resistance Tester and 283 FC/PV Solar Digital Multimeter, Wireless Current Clamp

Solar Tools Kit with PVA-1500HE2 PV Analyzer, 1537 Insulation Resistance Tester and 283 FC/PV Solar Digital Multimeter, Wireless Current Clamp

This kit includes the Fluke 1537 insulation tester, the 283FC/PV multimeter, and the PVA-1500HE2 I-V curve tester, all tailored for advanced solar PV analysis on systems up to 1500 V. It's ideal for professionals who need to validate insulation, module performance, and monitor system current and voltage, supporting both safety and efficiency in one

convenient bundle.

Fluke PVA-1500HE2 PV Analyzer I-V Curve Tracer

The Fluke Solmetric PVA-1500 is a cutting-edge I-V curve tracer kit designed to measure PV system performance. With this high-precision testing equipment, you can reliably assess the health and performance of solar modules and arrays, making informed decisions to enhance their output and longevity. The PVA-1500HE2 is uniquely designed to measure all string types, even those with high efficiency modules, up to 30A. The PVA-1500HE2 also operates with a swift sweep-to-sweep delay of 9 seconds (at $V_{oc} < 1350V$). This results in the ability to measure 3.5 MW within an hour, even in high-temperature settings where standard curve tracers often fail due to overheating.

Fluke 1537 Insulation Resistance Tester

The 1537 2,500 V Insulation Resistance Testers are engineered to simplify frontline troubleshooting whether you're on the factory floor or working in the field at a solar installation. With user selectable test voltages from 250 V to 2,500 V and resistance measurements up to 500 G Ω these testers allow you to cover more workload with a single tool. Equipped with an intuitive user interface, a short circuit current of up to 5 mA and a CAT IV 600 V rating these portable high-voltage insulation testers can deliver rapid and stable resistance measurements no matter where you take them. The 1537 also allows you to store measurements for later review or PC transfer, using the provided software.

Fluke 283 FC/PV Solar Digital Multimeter and Wireless Current Clamp

The CAT III 1500 V/CAT IV 1000 V True-RMS Fluke 283 FC Digital Multimeter and a283 FC True-RMS Wireless Current Clamp set the new standard for technicians in DC environments up to 1500 V. Whether you're working with a utility-scale solar photovoltaic (PV) array, wind power, an electric railway, or a data center, the Fluke 283 FC has been engineered to enhance safety and increase productivity while giving you accurate, reliable, and repeatable results. The 283 FC/PV includes CAT III 1500 V DC safety-rated accessories so you can work confidently in higher voltage environments without compromising safety. The MC4 test leads allow you to quickly make reliable, secure connections to modules or strings to test DC voltage up to 1500 V DC. TL175-HV CAT III 1500 V/CAT IV 1000 V rated silicone test leads give you more flexibility when testing voltage, millivoltage, resistance, continuity, or capacitance on inverters, combiner boxes, PV arrays, or individual PV modules. A bright backlit LCD screen and illuminated keypad make it easier to work in both direct and low light conditions. The included magnetic hanging kit frees up your hands and the custom hard carrying case protects your investment while you transport it.

Ordering information



FLK-PVA-1537-283/PV

Solar Tools Kit with PVA-1500HE2 PV Analyzer, 1537 Insulation Resistance Tester and 283 FC/PV Solar Digital Multimeter, Wireless Current Clamp

- PVA-1500HE2 PV Analyzer, I-V Curve Tracer
- SolSensor™ and clamp
- Alligator test leads
- MC4 disconnect tool
- Chargers
- 2x thermocouples and adhesive disks
- Sensor cleaning supplies
- Transit case
- PVA Application and Data Analysis Tool (downloadable from the Fluke Website)

- 1537 Insulation Resistance Tester
- Test leads with alligator clips (red, black, green)
- Probe (red, black)
- Soft carrying case
- USB cable
- PC software (downloadable from the Fluke Website)

- 283 FC TRMS Wireless Digital Multimeter
- a283 FC 60A TRMS Wireless AC/DC Current Clamp
- Solar MC4 test Lead set
- TL175-HV TwistGuard™ Silicone test leads

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- Premium carrying case
 - Magnetic hanging strap
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