

TECHNICAL DATA

Solar Tools Kit with 393 FC Clamp Meter, Irradiance Meter and TLPV1 Test Leads



Key features

- Measures up to 1500 V DC and 999.9 A for PV systems
- Includes irradiance, temperature, and tilt measurement
- MC4 leads ensure safe, accurate solar testing
- Wireless data logging via Fluke Connect with the 393 FC
- Ideal for PV installation and maintenance

Product overview: Solar Tools Kit with 393 FC Clamp Meter, Irradiance Meter and TLPV1 Test Leads

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This kit features the Fluke 393 FC clamp meter, IRR1-SOL irradiance meter, and TLPV1 MC4 test leads, providing a comprehensive solution for solar PV installation and maintenance up to 1500 VDC. The combination allows users to measure DC current, voltage, module temperature, and solar irradiance with one kit—streamlining site assessments and system optimization.

Fluke 393 FC Solar Clamp Meter CAT III 1500 V

The Fluke 393 FC CAT III 1500 V True-rms Solar Clamp Meter with iFlex is designed for solar photovoltaic (PV) installation technicians and maintenance professionals who work in high voltage DC environments: PV arrays, wind

power, electric railways, data centers battery banks for uninterruptible power supplies. The clamp meter will measure up to 1500 V DC and 1000 V AC with test leads, and up to 999.9 A DC or AC through the clamp jaw. The included iFlex flexible current probe extends AC current measurements up to 2500 A. The 393 has a thin jaw, giving you access to cables in crowded combiner boxes. Plus, the test leads are designed with your work in mind, and are also rated to CAT III 1500 V DC.

Fluke IRR1-SOL Solar Irradiance Meter

The Fluke IRR1-SOL Irradiance Meter has been designed from the ground up to simplify the installation, commissioning, and troubleshooting of photovoltaic arrays, measuring irradiance, temperature, inclination and direction of the solar array in a single handheld tool. With a rugged, compact design, a protective carrying case, and an easy-to-read, high-contrast LCD screen to read measurements in direct sunlight, the IRR1-SOL can go where you go. The simple user interface, instantaneous solar irradiation measurements and built-in temperature sensor make it easy to meet the IEC 62446-1 requirements for testing, documenting, and maintaining photovoltaic systems. Additionally, the integrated compass and inclination sensor allow you to quickly measure and document roof and site orientation, pitch, and panel tilt while surveying, installing, or adjusting an installation.

Fluke TLPV1 MC4 to 4mm Test Lead Set

The TLPV1 MC4 to 4mm Test Lead Set provides essential tools for accurate and safe measurements in solar photovoltaic (PV) systems. Designed with black and red MC4 to 4mm banana plug test leads, this set ensures reliable connectivity and performance in various solar applications.

Ordering information



FLK-393-IRR-TLPV1

Solar Tools Kit with 393 FC Clamp Meter, Irradiance Meter and TLPV1 Test Leads

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- 393 FC CAT III 1500 V TRMS clamp meter
 - Test leads, CAT III 1500 V rated, right angle plugs, with safety caps
 - iFlex 18 inch flexible current probe
 - TPAK magnetic hanging strap
 - Premium carrying case
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- IRR1-SOL Solar Irradiance Meter
 - FLK80PR-IRR External Temperature Probe with Suction Cup
 - C250 Carrying Case with Shoulder Strap
 - (4) AA Alkaline Batteries (installed)
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- TLPV1 MC4 to 4mm Test Lead Set (Red/Black)
 - TLPV-UTOOL Solar PV Unlocking Tool
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