

**Fluke launches world’s first clamp meters for solar power installations with CAT III / 1500 V safety rating**

*New clamp meter offers solar testing at 1500 V while providing the highest safety rating at this voltage and offering improved ease of use.*

**Eindhoven, Netherlands. October 4, 2021**: Fluke has today announced the launch of a new clamp meter designed to measure solar installation voltages at the new standard of 1500 V, while offering high safety specifications and being easy to use in congested solar combiner boxes. The **Fluke 393** and **393 FC** are the world’s first True-rms solar clamp meters to be rated at CAT III / 1500 V DC according to the latest safety standard for clamp meters IEC/EN 61010-2-032:2019.

The clamp meter is capable of measuring up to 1500 V DC compared to standard instruments for this application, which are restricted to 1000 V DC.

This makes the Fluke 393 the ideal choice for the installation and maintenance of utility scale, large industrial and commercial scale solar farms. With solar generation growing in importance to meet renewable energy demand, the new clamp meter is a major addition to Fluke’s range of instruments for solar applications, such as the insulation multimeters **Fluke 1577/1587** or the IP67 rated multimeter **Fluke 87V MAX.**

**Enhanced safety**

A high level of safety for users is guaranteed through the use of CAT III rated insulation at 1500 V, the only solar clamp meter to offer this level of protection for solar installation technicians and engineers. The meter’s insulated test leads are rated to CAT III 1500 V, while the meters offer CAT IV protection to 600 V AC.

The instrument’s IP54 rating makes the Fluke 393 clamp meter suitable for testing solar installations in a variety of climates and a wide range of weather conditions, protecting the instrument from both dust and rain ingress.

**Easy to use**

The ability to make quick, easy and accurate measurements allows maintenance technicians to keep solar installations producing energy. The challenge is that solar combiner boxes are often small and congested, making it difficult to attach meters to make measurements. The Fluke 393 meets this challenge with a 25% thinner jaw than previous Fluke clamp meter models, making it easier and faster to take measurements in restricted spaces.

The jaw design is durable, rugged and reliable and meets the stringent CAT III requirement for creepage and clearance.

The 393 FC offers connectivity to Fluke Connect, eliminating the need for handwritten notes. Fluke Connect allows maintenance technicians and service staff to document values and share them with their team. Up to 65,000 data points can be recorded and uploaded.

Beside voltage and current measurements, the new clamp meter provides DC power measurement and data logging to improve work efficiency.

Productivity is enhanced by an audio beep that indicates correct PV polarity, as well as visual continuity indication to make continuity testing easier in low light conditions. Additionally, the meters offer a dual line display for simultaneous measurements.

Hans-Dieter Schuessele of Fluke says: “As the world’s first solar clamp meters to offer CAT III safety at 1500 V, the new 393 and 393 FC clamp meters set a new standard in solar installation testing. Designed to be supremely safe and easy to use, they are a major contribution to helping installers and maintenance staff get solar farms online rapidly and keep them producing renewable energy.”

For more information on the Fluke 393 and 393 FC Non-Contact Voltage True-rms AC/DC Clamp Meters, visit: <https://www.fluke.com/en-gb/product/electrical-testing/clamp-meters/393-fc>

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**About Fluke:**

Fluke’s mission is to be the world leader in compact, professional electronic test tools. The company’s products are used by technicians and engineers in service, installation, maintenance, manufacturing test, and quality functions in a variety of industries throughout the world. Founded in 1948, Fluke has offices in 13 European countries and distributes its products to over 100 countries around the globe. The company’s European revenues contribute approximately 40 per cent of worldwide sales. Fluke’s headquarters are located in Everett, Washington State and the company employs over 2,500 people internationally. Its European sales and service headquarters are located in Eindhoven, The Netherlands.

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