

Clamp-on multimeter for photovoltaic power plants



Summary of Content

For photovoltaic power plants, clamp-on multimeters like the DCM1500S, BENNING CM 10-PV, and UT219PV are ideal, offering high-voltage DC measurement, True RMS, and PV-specific features.

Recommended Clamp Meters

1. DCM1500S Solar Clamp Meter (Megger)

- Measures up to 2000 V DC and 1500 V AC, and 1500 A AC/DC.
- Supports voltage, current, resistance, diode, capacitance, temperature, and frequency measurements.
- Features backlit display, automatic torch in the jaw, and Bluetooth connectivity for remote monitoring via the Megger Link App.
- Includes data logging, Min/Max hold, inrush current measurement, and high-frequency rejection filter, making it suitable for installation, maintenance, and monitoring of PV systems .

2. CM 10-PV (BENNING)

- True RMS clamp meter designed for photovoltaic systems, HVAC, and industrial applications.
- Safe voltage measurement up to 2000 V DC / 1500 V AC.
- CAT III/IV safety ratings with protective caps for high-voltage PV environments.

Article Content

MD 9260 TRMS Photovoltaic Clamp Meter CAT III 1500

The MD 9260 is the first Metrel instrument to support measurements up to 1500 V with CAT III safety. Its

Safe Measurement of 1500 V DC in Photovoltaic System

Extremely large-scale installations like mega solar power plants and offshore wind farms are being built one after the next, and their

Photovoltaic Current Clamp Multimeter BENNING CM

BENNING CM 10-PV TRUE RMS Current Clamp Multimeter for photovoltaic, heating, ventilation and air

Digital Current Clamp Multimeter CM 3-PV

Digital Current Clamp Multimeter CM 3-PV – TRUE RMS Digital Current Clamp Multimeter for PV systems with 1500 V DC system

UNI-T UT673PV Solar Panel Tester, Solar MPPT Meter,

UNI-T UT673PV is a solar panel tester with MPPT, large LCD display, and multiple result displays for

Solar Equipment: Meters, Tools, Testers | Fluke

Solar technicians use various tools, including solar irradiance meters, multimeters, clamp meters, thermal cameras, and insulation

HK888D Digital Clamp Meter: Safe Measurement for 1500V PV Systems

HK888D PV Digital Clamp Meter, photovoltaic system testing tool, solar system clamp meter, CAT III 1500V multimeter, DC high

Solar Clamp Meter (DCM1500S)

The DCM1500S Solar Clamp Meter is ideal for use in the installation, maintenance, monitoring, and testing of photovoltaic (solar)

Solar PV Power Tester: Multimeter & Solar Equipment | Fluke

Best Solar PV Power and Multimeter Solar Panel Testers: Photovoltaic testers & equipment for Electricians PV installers

HK888D Digital Clamp Meter: Safe Measurement for 1500V PV Systems

The HK888D PV Digital Clamp Meter from Honeytek is engineered specifically for the challenges of solar PV maintenance. It's

Solar DC/AC Power Meter Solar Panel Tester 1600W Photovoltaic

Multifunctional Design: 1600W PV solar meter, support auto/manual detection mode switch, measure PV panel maximum power

List of Essential Test & Measuring Instruments for Solar

Photovoltaic Voltage measurement, Data logging and Bluetooth, if available, will make for

Clamp Meters for Accurate Solar PV Diagnostics

Learn how clamp meters enhance Solar PV diagnostics, ensuring efficient performance and reliable system

MD 9260 Photovoltaik Strommesszange 1500 V DC | Metrel

Metrel entwickelt und produziert hochwertige Messgeräte für elektrische Messungen, die Prüfung elektrischer Installationen sowie

DCM1500S solar clamp meter | Megger

PV test leads The DCM1500S solar clamp meter has been designed to be used on electrical systems and

Best Clamp Meter for Solar PV (2026 Guide)

Discover the best clamp meters for solar PV systems in 2026. Compare 1500V vs 2000V testers and choose the right tool for high

Fluke 283 FC/PV Solar Digital Multimeter & Wireless

The Fluke 283 FC/PV Solar Digital Multimeter and Wireless Current Clamp, True-RMS CAT III 1500V is

PVK350 Photovoltaic Test Kit

The PVK350 photovoltaic kit offers essential tools for solar professionals. Included is the Megger

Multimeters and Clampmeters for Electrical Testing

Megger's multimeters and clamp meters give electrical professionals the confidence to test safely,

CEM DT-9583A Solar Power Clamp Meter, 1500V, 1000KW, Wireless

Unlike standard multimeters, it is engineered to safely measure high DC voltages (up to 1500V) and DC power output (Watts)

UT219PV Professional AC/DC Clamp Meter

The UT219PV is an advanced AC/DC clamp meter specially designed for high-voltage photovoltaic environments. It offers

Photovoltaic Testers

A range of products to verify safety and efficiency of photovoltaic installations. This range includes 1500V I

393 FC Solar Clamp Meter CAT III 1500 V | Fluke

393 FC solar clamp meter measures up to 1500 V dc, 1000 V ac, IP54 rated, CAT III. Ideal for PV

PV Current Clamp Meter CM 10-PV

BENNING CM 10-PV - TRUE RMS Current Clamp Multimeter for photovoltaic, heating, ventilation and air

Fluke 283 FC/PV Solar Digital Multimeter & Wireless

Whether you're working with a utility-scale solar photovoltaic (PV) array, wind power, an electric railway, or

Recommended Tools for 15 Measurements in Solar

Engineered to last, photovoltaic systems are designed to be sustainable yet efficient. Regular inspections

Fluke 283FC/PV Solar Kit with Multimeter/Clamp/Leads, CAT III 1500V

The Fluke 283FC/PV Solar Kit includes CAT III 1500VDC safety-rated tools and accessories so that users can work confidently in

Exploring Photovoltaic Multimeters: Essential Tools for

Whether you're an installer striving for precision, a maintenance professional ensuring

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://madibabayelectrical.co.za>

Email: sales@madibabayelectrical.co.za

Phone: +27 63 947 2185

Address: 15 Fredman Drive, Sandton, Johannesburg, 2196, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

