



The new PCE-CTI 10 from PCE Instruments - a versatile current clamp with Bluetooth

The new TRMS clamp meter can measure voltages of up to 1,500 volts and currents of up to 1,000 amperes for both direct and alternating current. The current strength is measured inductively, so that



no interruptions in operation are required for the measurement. The clamp opening allows measurements on cables with a diameter of up to 38 millimetres. The 2.36-inch TFT display not only shows the respective measured value but also a bar graph below it indicating where the measured value lies within the current measurement range.

The clamp meter is suitable for measuring inrush currents and also AC voltages with low input impedance. In addition, diodes can be tested and resistor and continuity measurements can be made. In addition, the VFD measurement function can be used to measure frequencies from 45 hertz up to 1 kilohertz on frequency converters on the primary and secondary side of the converter.

The handy measuring clamp is equipped with a Bluetooth 4.0 interface via which the measurement data can be transferred quickly and easily to an Android or iOS device. The "Meterbox Pro" app, which is available free of charge, facilitates the evaluation and further processing of the measured values.

The PCE-CTI 10 also allows continuous measurements with selectable intervals. Up to 100,000 measured values with date and time can be recorded in the meter's internal memory. The logged data can also be shown graphically over time on the display or on a tablet or smartphone.

Here is a brief summary of the features of the PCE-CTI 10

- measurement range
 - 0 ... 1.500 volts AC/DC
 - 0 ... 1.000 amperes AC/DC
- inrush current measurement
- voltage measurement with low input impedance
- VFD measuring function for frequencies
- NCF voltage testing
- 2.36" TFT display
- Data logging for up to 100,000 readings
- Bluetooth and free app for Android and iOS



Due to its functionality and wide measurement range, the new clamp meter PCE-CTI 10 is well suited for checking installations in mechanical engineering and industrial plants but also for control measurements on renewable energy plants such as photovoltaic plants, water and wind power plants.

More information can be found here:

https://www.pce-instruments.com/english/measuring-instruments/test-meters/clamp-meter-kat_40102.htm

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