

Hioki CM4141-50 True RMS AC Clamp Meter

2000A AC



The Hioki CM4141-50 is a professional-grade 2000 A AC True RMS digital clamp meter known for its innovative slim jaw design. This design allows it to easily access and measure in tight, congested spaces within electrical distribution boxes. It is a versatile tool suitable for electricians and technicians working in industrial, commercial, and residential applications.

The CM4141-50 measures a wide range of electrical parameters:

- **AC Current:** Up to 2000 A (True RMS).
- **AC/DC Voltage:** Up to 1000 V.
- **Resistance:** 600.0 Ω to 6.000 M Ω .
- **Frequency:** Up to 999.9 Hz.
- **Capacitance:** 1.000 μ F to 1000 μ F.
- **Temperature:** -40.0 to 400.0 $^{\circ}$ C (requires K-type thermocouple).

Key Features

- **Wireless connectivity:** The bundled Z3210 Bluetooth module allows measurement data to be transferred wirelessly to a smartphone, tablet, or Excel file using the free GENNECT Cross app.
- **Harmonic analysis:** When connected to the GENNECT Cross app, the meter can perform harmonic analysis from the 1st to the 30th order.
- **Slim jaw design:** A unique, thin jaw structure makes it easy to clamp around cables in tight, congested electrical distribution boxes without damaging equipment.
- **Durable construction:** It has a rugged, dustproof, and waterproof IP54-rated enclosure and jaws guaranteed for 30,000 open-close cycles.
- **Wide operating temperature:** The meter can function in a broad temperature range from -25°C to 65°C.
- **Inrush current measurement:** It can simultaneously measure both the RMS and crest values of inrush current at motor startup.