

## Product

CM3289 AC Clamp Meter

## Headline

True RMS Clamp Meter for AC Currents up to 1000 A

## Short Description

True RMS clamp meter for AC currents up to 1000 A, voltage measurement up to 600 V AC/DC, CAT IV 300 V (current) and CAT III 300 V (voltage), 33 mm conductor diameter, resistance measurement and continuity test

## Banner Specs

- True RMS AC current measurement up to 1000 A
- Conductor diameter 33 mm
- Voltage measurement 600 V AC/DC
- CAT IV 300 V (current), CAT III 300 V (voltage)
- Resistance measurement and continuity test

## Applications

- Current measurements in electrical installations
- Measurements on circuits with non-sinusoidal currents
- Service and maintenance of electrical equipment

Feature	CM4141-50 CM4141-90	CM3291	CM3281	CM3289	3280-10F 3280-70F
AC Current	2000 A			1000 A	
True RMS	yes	yes	-	yes	-
Conductor diameter	55 mm	46 mm		33 mm	
Voltage (AC / DC)	1000 V	600 V			
Safety Rating	CAT IV 600 V CAT III 1000 V	CAT IV 300 V CAT III 600 V		CAT IV 300 V / CAT III 600 V (current) CAT III 300 V (voltage)	
Bluetooth	available or included	-			

## Product Description

The CM3289 clamp meter measures AC current in three ranges up to 1000 A using True RMS measurement. This enables accurate current measurements even when the waveform

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deviates from a pure sine wave, as commonly found in circuits with electronic loads, frequency converters or switching power supplies. The clamp accommodates conductors up to 33 mm in diameter and features an optimized clamp design that improves access to conductors in densely wired distribution panels. It is suitable for typical installation wiring and supply conductors used in electrical installations and power distribution systems.

In addition to AC current measurement, the instrument measures voltage up to 600 V AC/DC and provides resistance measurement and continuity testing. The safety ratings are CAT IV 300 V / CAT III 600 V for current measurement and CAT III 300 V for voltage measurement.

### **Test Leads and Flexible Current Sensor**

Voltage, resistance and continuity measurements are performed using the included L9208 test leads. The optional 9209 Test Lead Holder allows one test lead to be fixed to the rear of the instrument during measurements. The L9208 test leads are compatible with the optional HIOKI accessories L4934 for temporary hands-free connection to conductors and terminals and L4933 for measurements at closely spaced contact points.

For measurements on larger conductors, the instrument can be used with the optional CT6280 Flexible Current Sensor. This extends AC current measurements up to 4200 A. The flexible sensor loop allows measurements on large conductors, busbars and cable bundles.

### **Designed for Field Use**

The instrument is designed for field use and provides drop protection from a height of 1 m. The operating temperature range of -25 °C to 65 °C allows use in outdoor installations and demanding environments. The CM3289 is supplied with the 9398 carrying case for transport and storage. Like all HIOKI clamp meters, the instrument is manufactured in HIOKI's own production facilities in Japan.

### **What's in the box**

- CM3289 AC Clamp Meter
- L9208 Test Leads
- 9398 Carrying Case
- Instruction Manual
- CR2032 lithium battery

### **Related Products**

- 9209 Test Lead Holder
- L4933 Contact Tip Set
- L4934 Small Alligator Clip Set
- CT6280 Flexible Current Sensor
- 3280-10F AC Clamp Meter
- 3280-70F AC Clamp Meter
- CM3281 AC Clamp Meter
- CM3291 AC Clamp Meter
- 3287 Clamp Meter
- 3288-20 Clamp Meter
- CM4371-50 Clamp Multimeter

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- CM4373-50 Clamp Multimeter
- CM4375-50 Clamp Multimeter

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Approved</b>	<b>Document changes</b>
1.0	09.03.2026	KS	KS	First Release