

Remarkable ease of use

# Double your speed for checking leakage current



Actual size



Identify intermittent GFCI and RCD trips to prevent unplanned equipment downtime by testing for earth leakage current.

**0.60 mA to 600.0 A AC**

**CAT III 300 V**

- **Slim jaws let you work with ease**

Easily clamp within crowded cables to save work time and improve safety

- **Measure everything from leakage to load**

With guaranteed accuracy from 0.60 mA to 600.0 A, the CM4001 provides a one-stop solution for a variety of applications

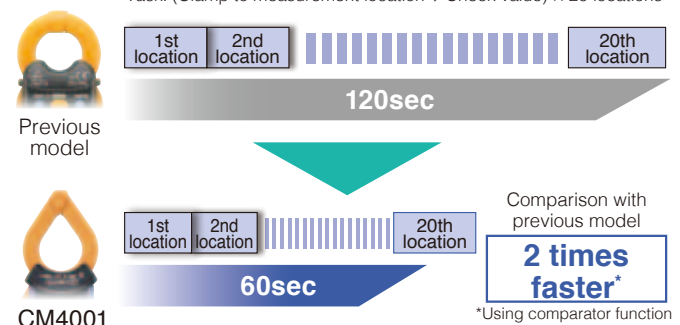
- **Find issues faster with a comparator function**

Quickly Identify leakage current locations with red backlight and audio alerts based on comparison with set threshold value

### Work twice as quickly

**Work time comparison: Checking 20 circuit breakers in a distribution panel for leakage current**

Task: (Clamp to measurement location → Check value) × 20 locations



# Key benefits and applications

## Perform everyday maintenance work more safely and easily

- Slim jaws simplify measurements within crowded cables, improve efficiency and reduce work time
- Filter function eliminates unwanted noise to let you measure close to the 50 Hz/60 Hz fundamental frequency
- White backlight, measured value hold, and auto power off features add convenience
- [AUTO HOLD] function automatically holds the measured value for use in difficult places to see the display

## Support for troubleshooting and diagnostics

- The CM4001 retains maximum, minimum, and average [MAX/MIN/AVG] RMS current values to make it easier to analyze potential problems
- Waveform peak value measurement [PEAK] capture intermittent or transient events
- Inrush current measurement [INRUSH] helps locate equipment startup problems and contributes to a preventive maintenance log for future reference



Clamp thick wires and double wires with narrow spacing smoothly

## Specifications

(Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year, Product warranty period is 3 years.)

AC measurement method	True RMS	
Core jaw diameter	φ24mm	
AC current	Accuracy specification range	0.60mA to 600.0A
	Display range	0.00mA to 600.0A
	Range / Accuracy	60.00mA / 1.5% rdg ±5 dgt (45Hz-66Hz)
		600.0mA / 1.5% rdg ±5 dgt (45Hz-66Hz)
6.000A / 1.5% rdg ±5 dgt (45Hz-66Hz)		
60.00A / 2.5% rdg ±5 dgt (45Hz-66Hz)		
Frequency characteristics	40.0 Hz to 999.9Hz	
Effects of external magnetic fields	With an external magnetic field of 400A AC/m Max. 7.0mA (6.000A range and lower) Max. 4.0A (60.00A range and higher)	
Crest factor	3	
Zero display range	5 count or less	

Standards	Safety: EN 61010, A type current sensor Measurement category: CAT III 300V EMC: EN61326
Peak detection time width	2ms or more (with filter function OFF)
Filter characteristics	-3dB at 180Hz ± 30Hz (with filter function ON)
Display refresh rate	5 times / sec
Operating temperature	-10°C to 65°C
Operating humidity (no condensation)	-10°C to 40°C, 80% RH or less 40°C to 45°C, 60% RH or less 45°C to 65°C, 50% RH or less
Storage temperature	-10°C to 65°C
Power supply	LR03 alkaline battery x1
Continuous use	32 hours
Dimensions and mass	37mm(1.46in)W x 160mm(6.30in)H x 27mm(1.06in)D, 115g (4.1 oz)
Usage environment	Indoor use, pollution degree 2, altitude up to 2000m

## Model/Accessories

Model : AC LEAKAGE CLAMP METER CM4001

Model No. (Order Code) : CM4001

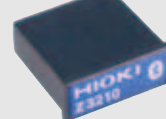
- CM4001
- Strap
- Carrying case
- Instruction manual
- LR03 alkaline battery x1



## Options

Bluetooth® capability for even greater convenience

Coming soon



Wireless Adapter  
Z3210

Connect to the CM4001 to add Bluetooth® capability.



Check and record measurement results with GENNECT Cross, a free app from HIOKI.

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# HIOKI

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