

AC Leakage Clamp Meter

HIOKI

For Leakage, Residual and Load Currents

High accuracy
CM4002

Ultimate control
CM4003

Small
and compact
CM4001

All models
with TrueRMS

With output function and
external power supply

Easily transfer measurement
data to your smartphone or
tablet by using our free app

HIOKI Z3210
Bluetooth® Adapter –
optional

Developed and made in Japan



Model	CM4001	CM4002	CM4003
AC current range	60 mA, 600 mA, 6 A, 60 A, 600 A	6 mA, 60 mA, 600 mA 6 A, 60 A, 200 A	
Frequency range	40 Hz – 1 kHz	15 Hz – 2 kHz	
Measurement category	CAT III 300 V	CAT IV 300 V CAT III 600 V	CAT III 300 V

Specifications

Model		CM4001	CM4002	CM4003
Measurement method		True RMS		
Core jaw diameter		∅ 24 mm	∅ 40 mm	
AC current	Defined accuracy range	0.60 mA – 600.0 A	0.060 mA – 200.0 A	
	Range / Accuracy (guaranteed)	60.00 mA / ±1.5% rdg ±5 dgt	6.000 mA ±1.0% rdg. ±5 dgt	
		600.0 mA / ±1.5% rdg ±5 dgt	60.00 mA ±1.0% rdg. ±5 dgt	
		6.000 A / ±1.5% rdg ±5 dgt	600.0 mA ±1.0% rdg. ±5 dgt	
		60.00 A / ±2.5% rdg ±5 dgt	6.000 A ±1.0% rdg. ±5 dgt	
		600.0 A / ±2.5% rdg ±5 dgt	60.00 A ±1.5% rdg. ±5 dgt	
Product warranty		3 years		
Operating temperature		-10°C to +65°C		
Operating humidity		At -10°C to +40°C, ≤ 80% RH or less (non condensing) At 40°C to +45°C, ≤ 60% RH or less (non condensing) At 45°C to +65°C, ≤ 50% RH or less (non condensing)		
Storage temperature		-10°C to +65°C	-30°C to +70°C	
Power supply		1 x AAA (LR03 alkaline battery)	2 x AA (LR6 alkaline battery)	2 x AA (LR6 alkaline battery) USB-C external power supply
Continuous operating time		Approx. 32 hr. without Z3210 Bluetooth® adapter Approx. 16 hr. with Z3210 Bluetooth® adapter and while wirelessly communicating	Approx. 48 hr. without Z3210 Bluetooth adapter Approx. 30 hr. with Z3210 Bluetooth adapter and while wirelessly communicating	
Dimensions and weight		37 × 160 × 27 mm (W × H × D), 115 g	64 × 233 × 37 mm (W × H × D), 400 g	
Operating environment		Indoors, pollution degree 2, altitude up to 2000 m.		
Display refresh rate		5 times/s		
Crest factor		3	1,5 (200.0 A range) 3 (other than 200.0 A range)	
Effect of external magnetic field		In an external magnetic field of 400 A/m AC 7 mA or less	In an external magnetic field of 400 A/m AC 4 mA or less	
Standards		Safety EN 61010 EMC EN 61326		
Functions		For CM4001, CM4002, CM4003: Filter, HOLD (manual, automatic), Max., Min., Average, and Peak Values (MAX/MIN), AC INRUSH, Comparator Function (COMP), Simple event recording function, Auto-Power Save Function (APS), Backlight For CM4003: Output function		
Applicable standard		—	IEC/EN 61557-13: Class 2, ≤ 30 A/m	
IP rating		—	IP 40 (jaws closed)	
Included accessories (CM400x)		1 x AAA (LR03 alkaline battery), Carrying case, Instruction manual, Operating Precautions, Strap	2 x AA (LR6 alkaline battery), Carrying case C0203, Instruction manual, Operating Precautions	2 x AA (LR6 alkaline battery), Carrying case C0203, Instruction manual, Operating Precautions, Connection Cable L9097, USB Power Cable L9510
Included accessories (CM400x-90)		Bundled with the Wireless adapter Z3210		



The **Z3210 Bluetooth®-adapter** is included in **-90 models** or separately available whenever you need it.

