

Specifications (1-year accuracy guarantee, 1-year post-adjustment accuracy guarantee, 3-year product warranty)

	CM4002	CM4003		CM4002	CM4003
AC measurement method	True RMS		Continuous operating time	Approx. 48 hr. (without Z3210 installed) Approx. 30 hr. (with Z3210 installed and using wireless communications)	
Functions	Max/ Min/ AVG/ PEAK MAX/ PEAK MIN value display; Low-pass filter (-3dB at 180Hz ±30Hz); Display value hold and auto hold; Backlight; Auto power save; Buzzer sound; Event count display; Comparator; Simple event recording; Rush current measurement			Dimensions and weight	64 mm (2.52 in.) W × 233 mm (9.17 in.) H × 37 mm (1.46 in.) D, 400 g (14.1 oz.)
Operating temperature range	-10°C to 65°C		Operating locations	Indoors, pollution level 2, elevation of 2000m (6561 ft.) or less	
Operating humidity range (non-condensing)	-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		Diameter of measurable conductors	φ 40 mm (1.57 in.)	
Storage temperature range	-30°C to 70°C		Jaw dimensions	75 mm (2.95 in.) × 20 mm (0.79 in.)	
Power supply	AA-size alkaline battery (LR6) × 2	AA-size alkaline battery (LR6) × 2, AC Adapter Z1013 (5 V DC, 2.6 A)	Dust and water resistance	IP 40 (with jaws closed)	
			Standard compliance	Safety: EN 61010 (type A current sensor) EMC: EN 61326	
			Other applicable standards	IEC/EN 61557-13: Class 2, ≤ 30 A/m	
			Maximum rated conductor-to-ground voltage	300 V AC (CAT IV) 600 V AC (CAT III)	300 V AC (CAT III)

Measurement specifications (CM4002/CM4003)

Defined accuracy range	0.060 mA to 200.0 A			
Zero display range	5 digits or less			
AC current	Range	Resolution	Measurement accuracy	
			45 Hz ≤ f ≤ 400 Hz	15 Hz ≤ f < 45 Hz 400 Hz < f ≤ 2 kHz
	6.000 mA	0.001 mA	±1.0% rdg. ±0.005 mA	±2.0% rdg. ±0.005 mA
	60.00 mA	0.01 mA	±1.0% rdg. ±0.05 mA	±2.0% rdg. ±0.05 mA
	600.0 mA	0.1 mA	±1.0% rdg. ±0.5 mA	±2.0% rdg. ±0.5 mA
	6.000 A	0.001 A	±1.0% rdg. ±0.005 A	±2.0% rdg. ±0.005 A
60.00 A	0.01 A	±1.5% rdg. ±0.05 A	±2.0% rdg. ±0.05 A	
200.0 A	0.1 A	±1.5% rdg. ±0.5 A	±2.0% rdg. ±0.5 A	
Display refresh rate	5 times/sec.			
Crest factor	3 (other than 200.0 A range), 1.5 (200.0 A range)			
Effects of external magnetic fields	4 mA or less (with a 400 A/m AC, 50 Hz/60 Hz external magnetic field)			
Frequency measurement	15.0 Hz to 2000 Hz			

Output specifications (CM4003 only)

Output parameters	RMS (RMS value output), WAVE (waveform output)	
Output level	RMS	600 mV DC f.s. (other than 200.0 A range) 200 mV DC f.s. (200.0 A range)
	WAVE	600 mV AC f.s. (other than 200.0 A range) 200 mV AC f.s. (200.0 A range)
Output accuracy	RMS	±1.0% rdg. ±5 mV (for display digits)
	WAVE	±3.0% rdg. ±10 mV (45 Hz to 400 Hz) ±5.0% rdg. ±10 mV (15 Hz to 45 Hz, 400 Hz to 2 kHz)
Output response	RMS	Refresh rate: 5 times/sec.
	WAVE	Frequency band: 15 Hz to 15 kHz (within ±3 dB)

Model/Accessories

Model: AC LEAKAGE CLAMP METER CM4002, CM4003

Model No. (order code)	CM4002	
	CM4002-90	CM4002 + Wireless Adapter Z3210 (Recommended)
	CM4003	
	CM4003-90	CM4003 + Wireless Adapter Z3210 (Recommended)

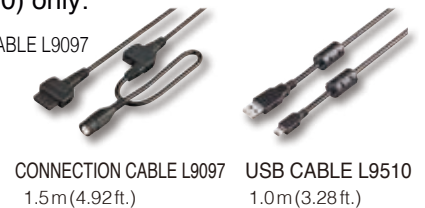
CM4002 (-90) / CM4003 (-90):

Product
CARRING CASE C0203
User Manual and Operating Precautions
AA-size alkaline battery (LR6) × 2



CM4003 (-90) only:

CONNECTION CABLE L9097
USB Cable



CONNECTION CABLE L9097 1.5m (4.92 ft.)
USB CABLE L9510 1.0m (3.28 ft.)

Options

WIRELESS ADAPTER Z3210	CARRING CASE C0203	CONVERSION ADAPTER 9704	AC ADAPTER Z1013	CONNECTION CABLE L9097	USB CABLE L9510
Adds Bluetooth® wireless communications	External dimensions: 135 mm (5.31 in.) W × 265 mm (10.43 in.) H × 65 mm (2.56 in.) D	In: BNC female, out: banana male	5 V DC, 2.6 A	1.5m (4.92 ft.), output terminal: BNC, power terminal: USB-C	1.0m (3.28 ft.), USB A-C type, power supply only

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HEADQUARTERS
81 Koizumi,
Ueda, Nagano 386-1192 Japan
<https://www.hioki.com/>



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