

HIOKI

AC CLAMP METER CM3281, CM3291

NEW Preview

Large Jaw Lets You Clamp with Ease

- Measure thick cables right at the terminal



-25°C to 65°C



Durable enough to withstand a 1m drop onto concrete

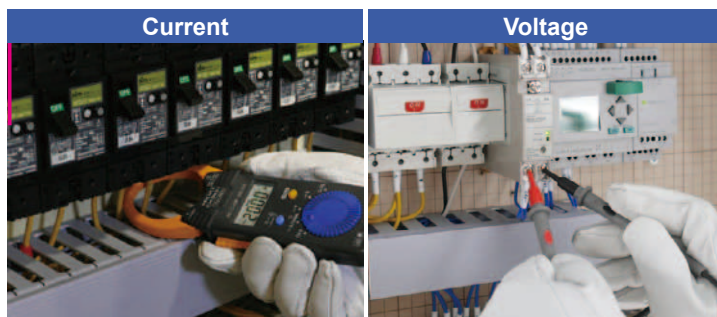


CM3281



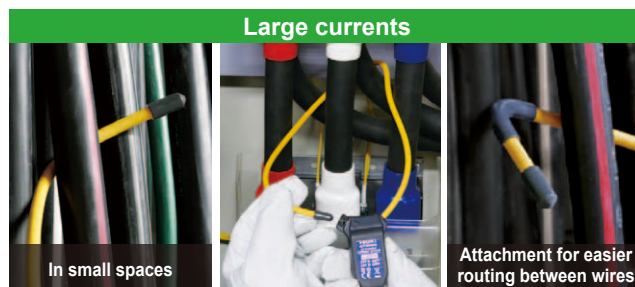
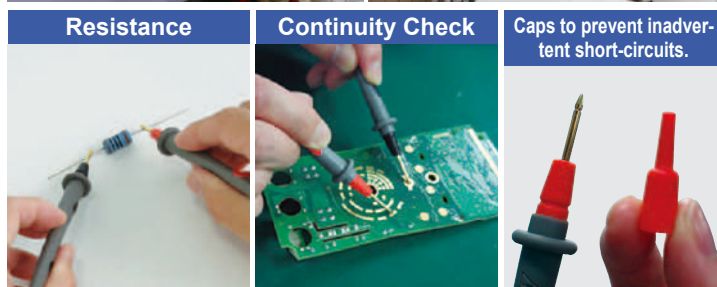
CM3291





Improve work efficiency Get jobs done faster

Essential equipment for professional electricians.
Measure current and voltage with a single test tool.



Specifications

Basic accuracy figures for measurement ranges are indicated in parentheses. Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year, Product warranty period is 3 years.

AC measurement method	CM3281: MEAN Value CM3291: True RMS
Core jaw diameter	Φ 46 mm (1.81 in), jaw thickness: 8.3 mm (0.33 in)
Max. rated voltage to earth	Jaw: CAT IV 300 V, CAT III 600 V Voltage measurement terminal: CAT III 300 V, CAT II 600 V
AC current	42.00 A / 420.0 A / 2000 A (±1.5% rdg.±5 dgt.)
Frequency characteristics	CM3281: 50 Hz to 60 Hz CM3291: 40 Hz to 1 kHz
AC voltage	4.200 V to 600 V, 4 ranges (±1.8% rdg.±7 dgt.)
Frequency characteristics	45 Hz to 500 Hz
DC voltage	420.0 mV to 600 V, 5 ranges (±1.0% rdg.±3 dgt.)
Resistance	420.0 Ω to 42.00 MΩ, 6 ranges (±2.0% rdg.±4 dgt.)
Continuity check	420.0 Ω (±2.0% rdg.±4 dgt.) Threshold of buzzer sound 50 Ω ±40 Ω or less
Crest factor (Only for CM3291)	2.5 at 2500 count or less (linearity reduced to 1.5 or less at 4200 counts), (1.5 or less at 2000 A range)
Display refresh rate	400 ms
Operating temperature and humidity	-25°C to 65°C (-13°F to 149°F), 80% RH or less (no condensation)
Storage temperature and humidity	-25°C to 65°C (-13°F to 149°F), 80% RH or less (no condensation)
Drop-proof distance	1 m (3.28 ft) onto concrete
Standards	Safety: EN 61010, EMC: EN 61326
Functions	Data hold, Auto power-saving function
Power supply	Coin type lithium battery CR2032 × 1
Continuous use	CM3281: 120 hours, CM3291: 70 hours
Dimensions and mass	57 mm (2.24 in)W × 197.5 mm (7.78 in)H × 16 mm (0.63 in)D, 100 g (3.5 oz)
Accessories	Carrying Case, Test Lead L9208, Coin type lithium battery CR2032, Instruction Manual, Operating Precautions

Easily measure large currents and clamp thick paired wires with the optional AC FLEXIBLE CURRENT SENSOR CT6280.



AC FLEXIBLE CURRENT SENSOR CT6280 specifications

Core jaw diameter	Φ130 mm (5.12 in) (Cable cross-section diameter: 5 mm [0.20 in], tip cap diameter: 7 mm [0.28 in])
AC Current	420.0 A / 4200 A (±3.0% rdg.±5 dgt.)
Cable length	800 mm (31.5 in)

Options

Model No. (Order Code)	Product Name
L9208	TEST LEAD (Anti-short cap included)
CT6280	AC FLEXIBLE CURRENT SENSOR (Includes C0205 attachment)
L4933	CONTACT PIN SET Connects to the tip of TEST LEAD L9208.
L4934	SMALL ALLIGATOR CLIP SET Connects to the tip of TEST LEAD L9208.

Model : AC CLAMP METER CM3281, CM3291

Model No. (Order Code)	(Remarks)
CM3281	(Average rectified)
CM3291	(True RMS)

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