

Quick checking of earth loops

C.A 6410

C.A 6412

C.A 6415

**EARTH
CLAMPS**



Ω mA

CE

**CHAUVIN
ARNOUX**

An active element in electrical protection, the earthing is usually made up of several links to the equipotential surface (surface of the earth), thus forming multiple loops. To complement the traditional continuity and earth measurements, clamp-on earth resistance testers offer the advantage of quick earth testing in total safety (the electrical installation remains

connected to earth, even during the test). Clamps C.A 6412 and C.A 6415 can also be used to measure the leakage currents flowing to the ground. To further optimize your testing operations, the C.A 6415 model also has an alarm function (buzzer if threshold is exceeded) and a measurement logging function.

	Range ⁽¹⁾	Resolution	Accuracy ⁽²⁾
Resistance measurement	0.10 to 1.00 Ω	0.01 Ω	$\pm (2 \% + 0.02 \Omega)$
	1.0 to 50.0 Ω	0.1 Ω	$\pm (1.5 \% + 0.1 \Omega)$
	50.0 to 100.0 Ω	0.5 Ω	$\pm (2.0 \% + 0.5 \Omega)$
	100 to 200 Ω	1 Ω	$\pm (3.0 \% + 1 \Omega)$
	200 to 400 Ω	5 Ω	$\pm (6.0 \% + 5 \Omega)$
	400 to 600 Ω	10 Ω	$\pm (10 \% + 10 \Omega)$
	600 to 1200 Ω	50 Ω	-
RMS current measurement ⁽³⁾	1 to 300 mA	1 mA	$\pm (2.5 \% + 2 \text{ mA})$
	0.300 A to 3.000 A	1 mA	$\pm (2.5 \% + 2 \text{ mA})$
	3.00 A to 30.00 A	10 mA	$\pm (2.5 \% + 20 \text{ mA})$

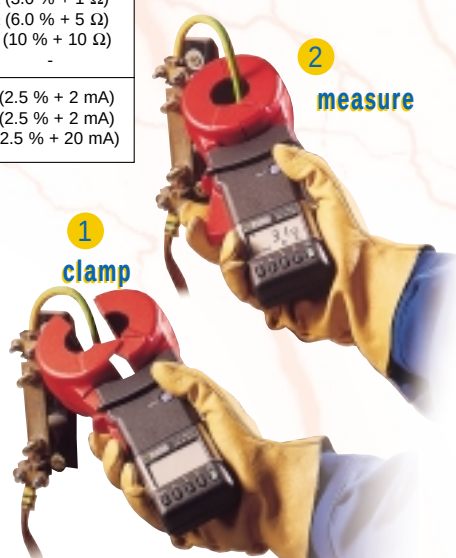
⁽¹⁾ Automatic range change
⁽²⁾ In the reference conditions
⁽³⁾ Additional function available on models C.A 6412 and C.A 6415

General specifications

- Clamping diameter: 32 mm
- Temperature of use: -10 to +55 °C
- Storage temperature: -30 to +70 °C
- Relative humidity: 0 to 75% RH
- IP 30 as per EN 60529
- Dimensions : 235 x 100 x 55 mm
- Model C.A 6415:
Alarm threshold adjustable from 1 to 199 Ω
Memory capacity: 99 measurements.

Electrical specifications

- Complies with EN 61010-2-032
- Dual insulation, class 2
- 150 V, cat. III, pollution level 2
- Max. overcurrent: 100 A AC constant
- Measurement frequency: 2400 Hz
- Charge life: with 9 V alkaline battery (Cd/Ni battery accepted):
1500 thirty-second measurements



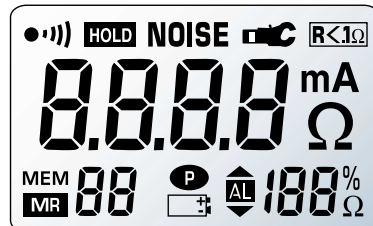
To order

- C.A 6410 P01.1220.11
- C.A 6412 P01.1220.12
- C.A 6415 P01.1220.13

Each clamp-on earth resistance tester is delivered in a carrying case with one 9 V battery and a user's manual.

- Calibration loop
CL1 P01.1223.01

Your distributor



Models C.A 6410, 6412 and 6415

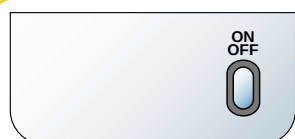
- Ω Resistance measurement
- $R < 1 \Omega$ Resistance under 0.1 Ω
- 100% Remaining battery charge life
- Battery indicator
- P Automatic shutdown inhibited
- HOLD Holding of display
- Buzzers active
- NOISE Significant eddy currents
- Jaws not closed properly

Models C.A 6412 and 6415

- mA Current measurement

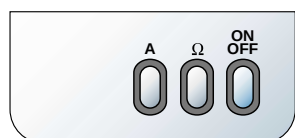
Model C.A 6415

- 188 Alarm function
- MEM Recording in memory
- 88 Reading memory



Model
C.A 6410

ON
OFF Start Ω / stop + autotest



Model
C.A 6412

ON
OFF Start / stop + autotest
 Ω Resistance measurement
 A Current measurement



Model
C.A 6415

ON
OFF Start / stop + autotest
 Ω Resistance measurement
 A Current measurement
 MEM Recording of measurement
 AL Alarm activation and adjustment

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