

**100 % ready to use,
0 % energy consumption**

C.A 6501,
insulation measurements
up to 200 M Ω
(test at 500 V)

MEGOHMMETERS

C.A 6503,
insulation measurements
up to 5,000 M Ω
(test at 250 V / 500 V / 1,000 V)



- Simple, immediate implementation
- Rigorously constant test voltage
- Automatic switching between calibres
- Automatic discharge after measurement
- Measurements in compliance with standards such as NF C 15-100, VDE 0100, etc.

Lightweight and compact, the **C.A 6501** and **C.A 6503** insulation testers are handheld instruments which are totally independent because they are powered by a magneto. Particularly versatile, they are ideal for on-site, industrial and domestic environments... They can be used for a large number of applications, such as ensuring that electrical installations comply with the applicable standards or carrying out preventive maintenance on cables and motors. A LED indicates when the measurement conditions are correct.

The **C.A 6503** has a protective terminal designed to limit the influence of leakage currents on the measurements.

Technical Specifications

	C.A 6501	C.A 6503
INSULATION		
Test voltages (DC)	500 V	250 V / 500 V / 1 000 V
Ranges	up to 200 MΩ	250 V: 1 to 11 MΩ - 11 to 500 MΩ 500 V: 1 to 11 MΩ - 11 to 500 MΩ 1,000 V: 10 to 110 MΩ - 110 to 5,000 MΩ
Short-circuit current	5 mA (max)	5 mA (max)
Accuracy	2.5 % of scale length	2 % of scale length
Automatic discharge	5 s/μF	8 s/μF
Charge time	0.5 s/μF	250 V: 0.2 s/μF 500 V: 0.5 s/μF 1,000 V: 0.5 s/μF
RESISTANCE		
Ranges	0 to 45 kΩ / 45 to 500 kΩ	
Measurement current	1 mA _{DC}	
Accuracy	2.5 % of scale length	
Automatic discharge	5 s/μF	
CONTINUITY		
Ranges	0 to 9 Ω / 9 Ω to 100 Ω	
Measurement current	5 mA _{DC}	
Accuracy	2 % of scale length	
Protection	F-type 0.2 A 700 V HRC fuse (6.3 x 32)	
VOLTAGE		
Ranges	0 ... 600 V _{AC}	
Frequency	45 to 450 Hz	
Input impedance	100 kΩ	
Accuracy	3 % of the scale	

General Specifications

Scale	Direct reading on a 3" B&W screen
LED	1. Ensures that the measurement conditions are correct 2. Indicates automatic calibre switching
Dimensions	120 x 120 x 130 mm
Weight	1.06 kg
Power supply	Magneto allowing a stable test voltage
Electrical safety	IEC 61010 CAT II 600 V / CAT III 300 V

State at delivery:

- **CA6501:** delivered with 1 user's guide, 1 carrying bag, 2 x 1.5 m PVC elbowed/straight leads (black/red), 2 crocodile clips (black/red), 1 black test probe.

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- **CA6503:** delivered with 1 user's guide, 1 carrying bag, 3 x 1.5 m black PVC elbowed/straight leads (black/red/blue), 3 crocodile clips (black/red/blue), 1 black test probe.

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