

Hand-cranked insulation testers

6501 & 6503

500N & 1000N

Lightweight and compact, the 6501 and 6503 insulation testers are hand-held instruments which are totally independent because they are powered by a hand-cranked magneto. Particularly versatile, they are ideal for on-site, industrial and residential applications, power distribution networks, telecommunications, etc. They can be used to check that electrical installations comply with the applicable standards, as well as for preventive maintenance on cables, motors, circuit-breakers, etc.



6501

6503



No batteries
required

Ergonomics

- Simple, immediate implementation
- Lightweight instrument
- Site-proof version with rugged plastic casing suitable for all 6501 & 6503 operating situations
- Reinforced version in a metal case for difficult environments, delivered in a field case (500N & 1000N)

Measurement

- Strictly constant test voltage
- Auto-ranging
- Insulation measurement up to 200 M Ω with the 6501 and up to 500 M Ω with the 6503
- LEDs to indicate when measurement conditions are satisfactory

Safety

- Automatic discharging at the end of the test
- Measurements comply with the NFC 15-100, IEC 60364-6 and VDE 0110 standards, etc

Power supply

- Powered independently by hand-cranked magneto



500N / 1000N

	6501 / 500N	6503 / 1000N
Insulation (MΩ calibre)		
Test voltage (DC)	500 V	250 V / 500 V / 1000 V
Range	0.5 to 200 MΩ	1 to 5000 MΩ
Accuracy	2.5 % at full scale	2% at full scale
Resistance		
Range	45 to 500 kΩ	—
Accuracy	2.5% at full scale	—
Continuity		
Range	0 to 100 Ω	—
Accuracy	2% at full scale	—
Voltage		
Range	0 to 600 V _{AC}	0 to 600 V _{AC}
Frequency	45 to 450 Hz	45 to 450 Hz
Accuracy	3% at full scale	3% at full scale
Other Features		
Display	Analog	Analog
Dimensions	120 x 120 x 130 mm	120 x 120 x 130 mm
Weight	1.06 kg	1.06 kg
Power supply	Hand-cranked magneto: stable, constant test voltage	Hand-cranked magneto: stable, constant test voltage
Protection rating	High protection: IP 54 with cover / IP 52 without	High protection: IP 54 with cover / IP 52 without
Electrical safety	IEC 61010 – 600 V CAT II / 300 V CAT III	IEC 61010 – 600 V CAT II / 300 V CAT III

 : No batteries required

Ordering information

> 500N.....P01132501A

Delivered in on-site case with 1 operating manual, 2 elbowed/straight PVC leads 1.5 m long (black/red), 1 earth lead, 2 crocodile clips (black/red), 1 black test probe.

> 1000N.....P01132502A

Delivered in on-site case with 1 operating manual, 3 elbowed/straight PVC leads 1.5 m long (black/red/blue), 1 earth lead, 3 crocodile clips (black/red/blue), 1 black test probe.

> 6501.....P01132503

Delivered in carrying bag with 1 operating manual, 2 elbowed/straight PVC leads 1.5 m long (black/red), 1 earth lead, 2 crocodile clips (black/red), 1 black test probe.

> 6503.....P01132504

Delivered in carrying bag with 1 operating manual, 3 elbowed/straight PVC leads 1.5 m long (black/red/blue), 1 earth lead, 3 crocodile clips (black/red/blue), 1 black test probe.

Accessories / Replacement parts

0.2 A fuses (set of 10)	P02297302
Set of 2 crocodile clips (red/black)	P01102052Z
Set of 2 test probes (red/black)	P01102051Z
Set of 2 leads 1.5 m long (red/black)	P01295283Z
5 crocodile clips (red, black, blue, yellow, green/yellow)	P01101849
3 safety leads 1.5 m long (red, blue, black)	P01295171

