

Performance in the field...

C.A 6505

Easy to use with a comprehensive set of measurement features, the C.A 6505 megohmmeter can test insulation at voltages up to 5000 V.

Ergonomics

- Large backlit LCD screen with digital display and bargraph
- Shockproof, leakproof on-site casing (IP53) for use in the field
- Foldaway handle for simpler instrument storage

Measurement

- Wide measurement range from 10 k Ω to 10 T Ω
- Fixed test voltages: 500 V, 1000 V, 2500 V and 5000 V
- Programmable test voltages from 40 to 5100 V
- Automatic calculation of the quality ratios (DAR/PI)
- Direct reading of insulation value with display of the leakage current, capacitance, test voltage and test duration

Safety

- Automatic shutdown if the instrument is not used in order to save battery power
- Instrument protected by fuse, with detection of faulty fuses
- Operator safety guaranteed by automatic discharging of the device tested
- Locking of test voltages: ideal when lending the instrument to less-experienced users
- Automatic test inhibition if a dangerous external voltage (AC or DC) is detected before or during measurement
- IEC 611010-1, CAT III 1000 V

Power supply

- Powered by built-in NiMH or mains connection
- Battery life of up to 1000 measurements



C.A 6505

		C.A 6505
Insulation		
Test voltage	500 V 1000 V 2500 V 5000 V	30 kΩ to 2 TΩ 100 kΩ to 4 TΩ 100 kΩ to 10 TΩ 300 kΩ to 10 TΩ
Voltage programming		40 to 1000 V: 10 V increments 1000 to 5100 V: 100 V increments
Accuracy	1 kΩ to 40 GΩ 40 GΩ to 10 TΩ	± 5 % of value ± 3 cts ± 15 % of value ± 10 cts
Programmable test duration		1 to 59 min
DAR (1 min/30 sec)		0.02 to 50.00
PI (10 min/1 min)		0.02 to 50.00
Customizable PI		Time from 30 s to 59 min as required
Voltage test / Safety		0 to 1000 V _{AC/DC}
Voltage alert indicator		Yes > 25 V
Test inhibition		Yes > 25 V
Capacitance		0.005 to 49.99 μF
Leakage current measurement		0.001 nA to 3 mA
Other features		
Display		LCD + bargraph
Power supply		NiMH rechargeable battery
Dimensions		270 x 250 x 180 mm
Weight		4.3 kg
Electrical safety		IEC 61010 1000 V CAT III – IEC 61557

Ordering information

> C.A 6505.....P01139704

Delivered with a bag containing 2 simplified measurement leads 2 m long, each equipped with an HV plug at each end, 1 guarded safety lead 2 m long with an HV plug at one end and an HV plug with rear connection at the other end, 1 guarded safety lead 0.35 m long with HV plug / HV plug with rear connection, 3 crocodile clips (red, blue and black), 1 mains power cable 1.80 m long, 1 operating manual in 5 languages.

Accessories/Replacement parts

C.A 861 thermometer + K thermocouple	P01650101Z
AN1 artificial neutral	P01197201
Set of 2 simplified HV measurement leads (red/black)	P01295231
1 guarded simplified HV lead + 1 crocodile clip (blue)	P01295232
1 HV lead 8 m long with blue crocodile clip.....	P01295214
1 HV lead 8 m long with red crocodile clip.....	P01295215
1 HV lead 8 m long with black crocodile clip (EARTH)	P01295216
1 HV lead 15 m long with blue crocodile clip.....	P01295217
1 HV lead 15 m long with red crocodile clip.....	P01295218
1 HV lead 15 m long with black crocodile clip (EARTH)	P01295219
Standard bag for accessories	P01298066
Fuse FF 0.1A - 380 V - 5 x 20 mm - 10 kA (set of 10)	P03297514
2P EUR mains power cable	P01295174



C.A 6505 megohmmeters are delivered with a bag, 2 measurement leads 2 m long (black/red), 2 guarded leads (blue) terminated with a 4mm banana plug for high insulation measurements and 3 crocodile clips.
Available as an option: 3 m, 8 m or 15 m leads terminated by extra-large, totally-insulated, built-in crocodile clips.