

## Digital insulation testers

### C.A 6550 & C.A 6555

1,000 V CAT IV

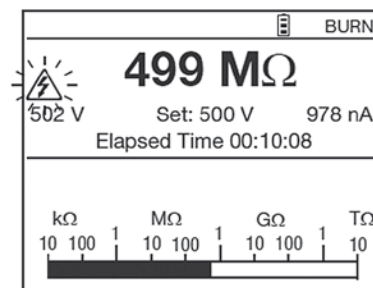
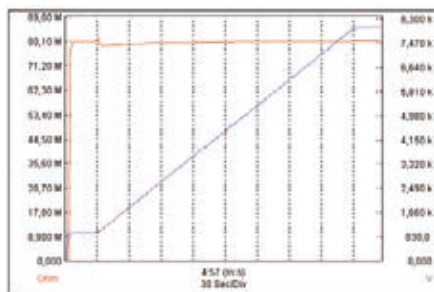


- Wide measurement range from 10 k $\Omega$  to 30 T $\Omega$
- Fixed or programmable test voltage from 40 V to 10/15 kV
- 5 mA charging current
- Large backlit LCD screen with digital display, bargraph and R(t)+u(t), i(t), i(u) graphs
- Automatic calculation of DAR / PI / DD /  $\Delta R$  (ppm/V) ratios
- Multiple voltage ramp and step test modes with:
  - Burn mode: test without programmed current limit
  - Early break" mode: non-destructive test
  - "\_I-limit\_" mode: test with predefined current
- 3 filters to optimize measurement stability
- Calculation of the resistance at a temperature of reference
- 80,000-measurement storage capacity and real-time clock
- Optically-isolated USB communication for transferring the recorded data onto a PC and generating reports with the DataView® software

#### > Effective, with 2 levels of diagnostics available:

- "Go/No Go" test
- Qualitative measurement for preventive maintenance

Example of results displayed on the large 320 x 240-pixel screen, and example of graphic mode



### États de livraison

- > **C.A 6550 and C.A 6555** delivered with a carrying bag containing 2 safety leads 3 m long with HV plugs (red/blue), 1 guarded safety cable 3 m long equipped with an HV plug at one end and an HV plug with rear connection at the other end (black), 3 crocodile clips (red, blue, black), 2 CAT IV 1,000 V test probes (red/black) for voltage measurements, 1 rear-connector lead (blue), 1 mains power cable 2 m long, DataView® software, 1 optical / USB communication lead, 1 operating manual in 5 languages on CD-ROM

### Références pour commander

- > **C.A 6550** > P01139705
- > **C.A 6555** > P01139706

# Digital insulation testers

## Specifications

Test voltages
Insulation measurement
Ranges
Fixed test voltages
Variable test voltages
Variable voltage settings
Ramp mode
Ramp configuration range
Step mode
Voltage measurement after test
Capacitance measurement (> 500 V)
Leakage current measurement
Discharge after test
Additional test stop modes
I-limit
Early-break
Timer
Burning mode
Burning
Ratio calculation
Calculation of R at ref. T°
Measurement display filter
Graphs on display
Storage
Communication
PC software
Power supply
Electrical safety
Dimensions / weight

### C.A 6550

### C.A 6555

10 kV	15 kV
500 V: 10 kΩ to 2 TΩ	
1,000 V: 10 kΩ to 4 TΩ	
2500 V: 10 kΩ to 10 TΩ	
5 000 V: 10 kΩ to 15 TΩ	
10,000 V: 10 kΩ to 25 TΩ	
15,000 V: 10 kΩ to 30 TΩ	
500 / 1,000 / 2,500 / 5,000 / 10,000 V	500 / 1,000 / 2,500 / 5,000 / 10,000 / 15,000 V
40 V - 10,000 V	40 V - 15,000 V
3 presettable voltage values	3 presettable voltage values
Variable: 40-10 kV	Variable: 40-15 kV
Increment: 40 V - 1 kV: 10 V	Increment: 40 V - 1 kV: 10 V
1 kV - 10 kV: 100 V	1 kV - 15 kV: 100 V
3 presettable ramps:	
start voltage / end voltage / duration	
40-1,100 V / 500-10,000 V	40-1,100 V / 500-15,000 V
Up to 10 steps	
(value and duration configurable for each step)	
AC: 0 - 2,500 V DC: 0 - 4,000 V	
0.001-9.999 μF / 10.00-49.99 μF	
0 - 8 mA	
Yes / automatic	
Programmable 0.2 - 5 mA	
di/dt	
Up to 99 minutes 59 seconds	
Continuous testing	
PI, DAR, DD, SV, ΔR (ppm/V)	
Yes	
3 filters with 3 time constants	
R(t)+u(t); i(t); i(u)	
256 recordings, 80,000 points R, U, I and date	
Optically-isolated port for USB and RS232 links	
DataView®	
NiMH rechargeable batteries, 8 x 1.2 V / 4,000 mAh	
charging by external voltage: 90-260 V 50/60 Hz	
1,000 V CAT IV - IEC 61010-1 and IEC 61557	
L x P x H: 406 x 330 x 174 mm, 6 kg approx.	



**INSULATION  
at 10 kV / 15 kV**



## Accessories / Replacement parts

3 x 3 m HV leads for 10/15 kV	> P01295465
Blue 8 m HV lead with crocodile clip	> P01295468
Red 8 m HV lead with crocodile clip	> P01295469
Black 8 m HV lead with crocodile clip	> P01295470
Blue 15 m HV lead with crocodile clip	> P01295471
Red 15 m HV lead with crocodile clip	> P01295472
Black 15 m HV lead with crocodile clip	> P01295473
3 x 3 m HV leads for 10/15 kV, black/blue/red crocodile clips	> P01295466
50 cm HV lead with rear connection	> P01295467
2 moulded test probes (red/black)	> P01295454Z
3 crocodile clips (red/blue/black)	> P01103062
USB optical cable	> HX0056-Z
Carrying bag	> P01298066
C.A 861 thermometer, K thermocouple	> P01650101Z
C.A 846 thermo-hygrometer	> P01156301Z
2P mains lead	> P01295174