

*For earth resistance testing...
whatever the installation configuration!*

The all-purpose tester!

**Earth / loop
tester**

- ✓ *Cat. III 600 V*
- ✓ *Large backlit LCD screen
with 2 x 4000 counts and
a wide range of indicator icons*
- ✓ *Immediate error free connections
thanks to mains connection lead*
- ✓ *Alarm and date-time memory functions
(100 measurements)*
- ✓ *Optical fibre communication:*
 - *direct printing
on serial printer*
 - *data transfer of memory
to PC (transfer application software
supplied as standard)*
- ✓ *Supplied with "hands free" carrying strap*



- Automatic voltage and frequency testing of installation
- Earth resistance measurement
 - installation power off (3 or 2 rods measurements)
 - installation power on (1 rod or loop measurements)
- Selective earth measurement using current clamp
- Measures true (R,L) loop and line impedance without RCD tripping
- Calculation of short-circuit currents
- Measurement of current and leakage current using clamp

The only all-purpose earth tester on the market!

Earth power off 3 rods and 2 rods / live earth 1 rod / earth loop / internal loops / current clamp

Innovative and easy to use, the **C.A 6456 all-purpose earth tester** combines optimum ease of use with enhanced metrological performances for testing compliancy with European and international standards: NF C 15-100, IEEE, VDE 0100, NIN / NIV, \forall EN-1, ...

Thanks to its letter-coded terminals (for power-off earth measurements) and lead for connecting directly to installation socket (for loop measurements), it is quick and safe to operate: permutation of L and N inputs automatically if conductors are reversed at socket connection.

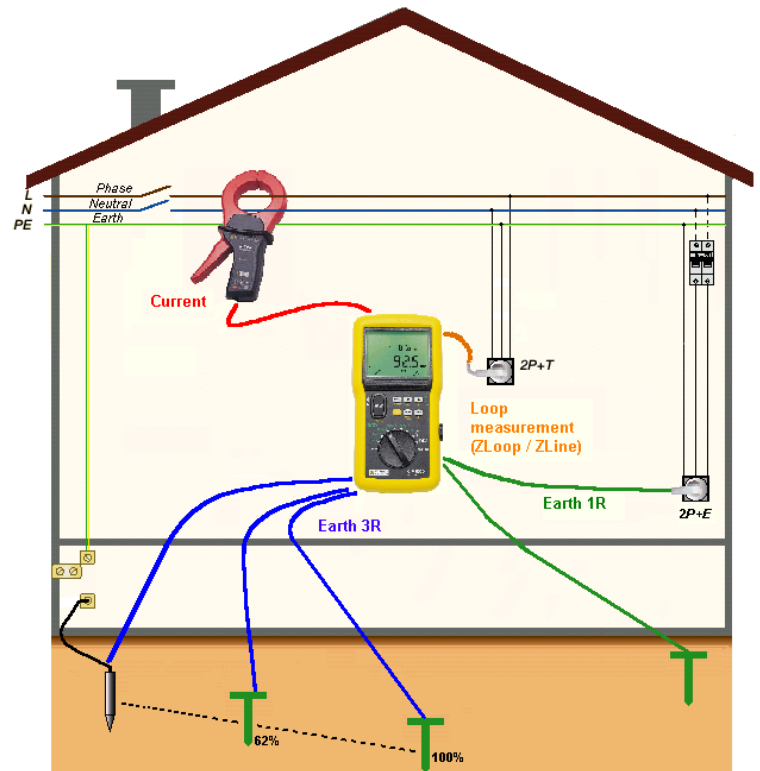
The measurement is then selected using rotary switch and launched by simply pressing on TEST.

The apparatus carries out **power-off** earth measurements using auxiliary earth rods (conventional methods), or power-on measurements when the use of auxiliary rods is not possible.

A wide range of functionalities are accessible by direct fingertip control: activation of alarms, date / time recording of results and/or direct printing of measurement readings using serial printer.

These combined advantages place the **C.A 6456** among the forerunners of a new generation of testers!

Another advantage: the data transfer application software is supplied as standard.



<ul style="list-style-type: none"> Voltage / frequency measurement 	automatic measurement of installation connections: from 2 to 550 V (DC or RMS) / from 15.3 to 450 Hz	<ul style="list-style-type: none"> battery level/ autonomy stand-by deactivated $R_A \rightarrow 0 \leftarrow$ lead compensation programmable alarms MEM memory COM communication on memory used level
<ul style="list-style-type: none"> Earth measurement 3R and 2R (with rods) 	- resistance from 0,50 Ω to 40,00 k Ω - measurement frequency: 128 Hz / no-load voltage 25 V or 50 V	
<ul style="list-style-type: none"> Earth measurement power on (1R) / R_{earth} Earth loop impedance / Z_{loop} (3 wires) 	- 2 measurement modes: <ul style="list-style-type: none"> high current / with RCD tripping (better precision or selective measurements using current clamp) low current mode / without RCD tripping (rapidity) - resistance / impedance of loops L-N, L-L and L-PE from 0,20 Ω to 4000 Ω - short-circuit current: displayed up to 40 kA by calculation $I_K = U_{REF} / Z_L - PE$	
<ul style="list-style-type: none"> Line impedance (Z_{line}) (2 wires) 	- resistance / impedance of loops L-N, L-L or L-PE from 0,20 Ω to 4000 Ω - short-circuit current: displayed up to 40 kA by calculation $I_K = U_{REF} / Z_L - PE$	
<ul style="list-style-type: none"> Current measurement 	clamp connections 20 A (MN20 & C172) or 200 A (C174)	

Accessories :

<p>Data transfer application software</p>	<p>Clamp MN20 P01.1204.40 Clamp C172 P01.1203.10 Clamp C176 P01.1203.30</p>	<p>Serial printer P01.1029.03</p>
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To order

➤ C.A 6456 Earth / Loop Tester (Euro) P01.1235.12

Supplied with "hands free" carrying strap and accessories bag:

- 1 mains lead
- 1 3-wire lead
- 3 test probes / 3 crocodile clips
- 1 user's manual in 5 languages
- 1 data transfer application software
- 1 communication lead

General specifications

- Power supply: 6 x 1.5 V batteries or rechargeable batteries
- Complies with standards EN 61010-1 and EN 61557
- Electromagnetic compatibility (EMC) rating EN 61326
- IP 54 Dimensions: 211 x 108 x 60 mm : Weight: 900 g



➤ Version C.A 6456 (Euro) +T P01.1235.13

Idem + carrying bag containing 2 earth rods + 50 m red cable + 50 m blue cable + 10 m green cable

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