

C.A 5000 Series

Analogue multimeters



Safety on site!

Extra safety for your measurements:

- "Fus" light: HBC fuse test
- "Voltest™" light: presence of voltage on ohmmeter*

Automatic zero reset on ohmmeter*

µA ranges

Compact, shockproof case, with "Multistand™"
multi-purpose fold-away stand

* For C.A 5003 and C.A 5005

3-year
warranty

Measure up



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The C.A 5000 Series of multimeters: for analogue fans

We have developed a range of multimeters to meet all the measurement requirements of today's electricians and electrical engineers.

- ▶ To meet the electrical safety requirements, they are totally protected and comply with the IEC 61010-1 standard, Category III 600 V.
- ▶ With their shockproof case equipped with the multi-purpose "Multistand™" accessory, they can be used both on the work site and in the laboratory.
- ▶ Lightweight and compact, they are easy to handle.
- ▶ Their current ranges are protected by HRC (high rupture capacity) fuses with indication of the condition of the fuses by "Fus" light.
- ▶ For the C.A 5003 and C.A 5005 the ohmmeter zero reset is automatic. To avoid any error in use, the "Voltest™" light indicates the presence of a voltage during resistance and continuity tests.

1

Ø 4 mm safety
input terminals

2

"Fus" light

Test of the HRC fuses during current measurement.

3

Analogue scale

With antiparallax mirror
for voltage scales.

4

"Voltest™" light

Indicates the presence of voltage on
resistance measurement and continuity test.

5

Double isolation 

In accordance with standard
IEC 61010-1, rated voltage 600 V,
installation category III, degree of
pollution 2.



SAFETY ACCESSORIES

Numerous accessories*
are available to extend your
multimeter's applications or to
give it new functions:
crocodile clips, wire grips,
voltage probes, current clamps,
temperature probes...

Documentation on request.

* compliant with standard
IEC 61010-031



Connection with positive safety



It is essential to disconnect the leads before opening
the cover for access to the battery and the fuses.
Rapid opening by 1/4 turn screw, using a coin or a
screwdriver.

Safety on site!



▲ **Direct reading of the motor current with the C.A 5005 and its MN 89 miniclamp,** supplied as standard. The A AC ranges are marked by the  symbol and also the readout scale.



▲ **The articulated stand** holds the C.A 5003 in a vertical position for a reading close to the test point.



Continuity test of a fuse with the C.A 5001. The jointed clip is folded in place as a stand for use on the workbench. ►

◀ **Voltage test with the C.A 5003.**
The needle moves instantaneously for quick voltage testing.



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Specifications	C.A 5001		C.A 5003 ⁽¹⁾	C.A 5005 ⁽¹⁾
DC voltage	8 ranges: 100 mV /.../ 1,000 V ⁽⁶⁾			
AC voltage	5 ranges: 10 V /.../ 1,000 V ⁽⁶⁾			
Internal resistance	20 kΩ/V			
Working frequency	10 Hz ...100 kHz depending on range			
DC current	5 ranges: 50 µA /.../ 5 A	7 ranges: 50 µA /.../ 15 A	6 ranges: 50 µA /.../ 10 A	
AC current	4 ranges: 5 mA /.../ 5 A	5 ranges: 1.5 mA /.../ 15 A	5 ranges: 3 A /.../ 300 A ⁽²⁾	
Resistance		2 ranges: 10 kΩ and 1 MΩ		
Audible continuity test		R < 50 Ω		
Scale in dB for V AC		0 ... +22 dB		
Typical accuracy ⁽³⁾	1.5 % on V $\overline{\hspace{0.1cm}}$ • 2.5 % on V $\sim$ and A $\approx$ • 10 % on Ω			
Power supply	1.5 V battery	9 V battery		
Battery life	10,000 measurements of 15 s	10,000 measurements of 10 s		
Electrical safety ⁽⁴⁾	IEC / EN 61010-1 Edition 2 • 600 V Cat III-2			
Protection ⁽⁵⁾	HRC fuses: 0.5 A and 5 A	HRC fuses: 1.6 A and 16 A	HRC fuses: 1 A and 10 A	
Degree of watertightness	IP 40	IP 53		
Environmental conditions	-10 °C ... +55 °C and RH < 90 %			
Dimensions / Weight	160 x 105 x 56 mm / 500 g			

(1) Additional "VoltestTM" function to check the possible presence of voltage on resistance and audible continuity test - (2) Limited to 240 A max by the miniclamp MN 89
(3) In % of end of scale - (4) Degree of pollution 2 - (5) Electronic protection and HRC fuses for the current ranges with fuse test light - (6) For use up to 600 V max.

To order

Multimeters

C.A 5001 P01196521E
C.A 5003 P01196522E
C.A 5005 (supplied with miniclamp MN 89) P01196523E

Supplied with IEC 1010 safety leads with test probes, battery and user manual.

C.A 5001 set with case P01196521F
C.A 5003 set with case P01196522F
C.A 5005 set with case P01196523F



The case



The shoulder bag



The holster

Accessories

Shoulder bag (240 x 230 x 70 mm) P01298033
Carrying holster (220 x 180 x 75 mm) P01298036

Carrying case (270 x 200 x 65 mm)
with precut foam insert:

for the C.A 5001 or C.A 5003 P01298037
for the C.A 5005 and MN 89 P01298037A

Numerous safety accessories. Documentation on request.

For information and ordering

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