

# 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

# C.A 5000 series

## Analogue multimeters

### 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!



1

5


6

## Compact shockproof case

Equipped with a "MultiStand™" multi-purpose articulated stand on the back for positioning the instrument, fixing the test probes, etc.

You can also use the articulated stand to stow the test-probe leads.



▲ **Direct reading of the motor current with the C.A 5005 and its MN 89 miniclip**, 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.



# C.A 5000 series

## Analogue multimeters

Specifications	C.A 5001		C.A 5003 <sup>(1)</sup>	C.A 5005 <sup>(1)</sup>
DC voltage	8 ranges: 100 mV /.../ 1,000 V <sup>(6)</sup>			
AC voltage	5 ranges: 10 V /.../ 1,000 V <sup>(6)</sup>			
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 <sup>(2)</sup>	
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 <sup>(3)</sup>	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 <sup>(4)</sup>	IEC / EN 61010-1 Edition 2 • 600 V Cat III-2			
Protection <sup>(5)</sup>	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 "Voltest<sup>TM</sup>" 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