

# 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.

### 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



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.



### 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

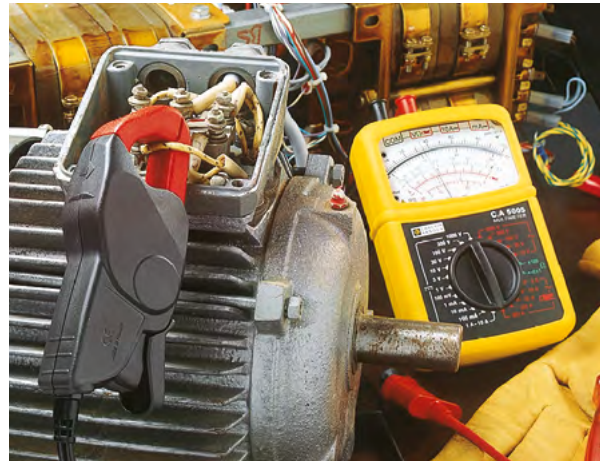
5


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 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 <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 <sub>DC</sub> • 2.5 % on V <sub>AC</sub> and A <sub>DC</sub> • 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™" 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 HBC 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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