Safety on site

C.A 5000 series

Analogue multimeters





Reinforced 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

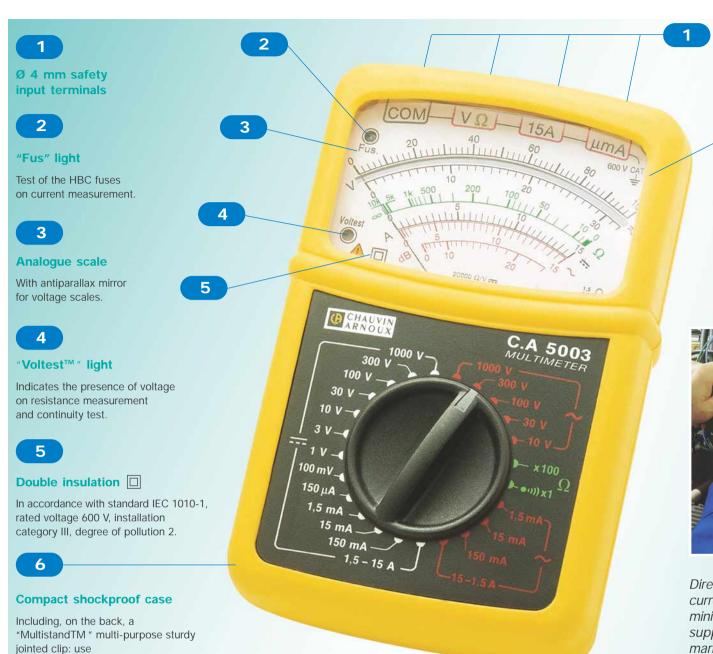
Warranty 3 years



The C.A 5000 series multimeters, for the fanatics of analogue measurement.

We have given specific features to a new range of multimeters to satisfy all the measurement needs of electricians, electro-technicians and electronic engineers of today.

- Electrical safety demands it. They are totally protected and conform to standard IEC 1010-1, Category III/ 600 V.
- Equipped with the multi-purpose "Multistand™" shockproof case, 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 HBC (high breaking 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 voltage on resistance and continuity test.





▲ Voltage test with the C.A 5003. The black test prod is in the "hands free" position, held in the multi-purpose clip on the back of the instrument.

■ The jointed clip holds the C.A 5003 in a vertical position for a reading close to the test point.

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

5

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.



Safety accessories

Numerous accessories* are available to widen the field of application of your multimeter or to give it new functions:

as a stand, to attach the test prods, ..

crocodile clips, wire grips, voltage probes, current clamps, temperature probes,... Documentation on request.

conform to standard IEC 1010-2-031

The leads with test prods supplied with the multimeters conform to standard IEC 1010-2-031. 1000 V. Cat III-2 and are (UL) approved.

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.





| Specifications | C.A 5001 | C.A 5003 ⁽¹⁾ | C.A 5005 ⁽¹⁾ |
|--------------------------|--|-----------------------------|-------------------------|
| DC voltage | 8 ranges: 100 mV 1000 V | | |
| AC voltage | 5 ranges: 10 V 1000 V | | |
| Internal resistance | 20 kΩ/V | | |
| Working frequency | 10 Hz100 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 DC • 2.5 % on V AC and A AC/DC • 10 % on Ω | | |
| Power supply | 1 battery 1.5 V | 1 battery 9 V | |
| Battery life | 10 000 measurements of 15 s | 10 000 measurements of 10 s | |
| Electrical safety (4) | IEC 1010-1• 600 V/Cat III | | |
| Protection (5) | HBC fuses 0.5 A and 5 A | HBC fuses 1.6 A and 16 A | HBC 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 HBC fuses for the current ranges with fuse test light

To tidy away

■ The jointed clip has also been designed to tidy away the test prod leads.

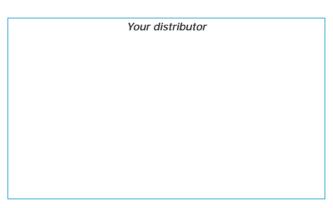


For carrying

■ A choice of 3 accessories to meet your needs on site



| Ordering references | | | |
|---|--|--|--|
| • C.A 5001 | | | |
| battery and user manual. • C.A 5001 set with case .P01.1965.21F • C.A 5003 set with case .P01.1965.22F • C.A 5005 set with case .P01.1965.23F | | | |
| Accessories • Shoulder bag (240 x 230 x 70 mm) | | | |
| Numerous safety accessories IEC 1010. Documentation on request. | | | |



TEST & MEASUREMENT DIVISION





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

UK Office Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560 Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.