

Type of product: TRMS Digital Multimeters
Name of product: C.A 5270 Series

Four Versatile TRMS Multimeters Ideal for Use in the Field!

Whether in industry or the tertiary sector, the C.A 5270 Series of TRMS digital multimeters from Chauvin Arnoux offers an ideal companion for self-employed electricians and technicians in their installation and maintenance work. They can also be used for electrical and electrotechnical maintenance in sectors such as heating, air-conditioning, the automotive industry, etc.

Ergonomics

As well as offering IP54 protection, they are specially designed to be compact and easy to handle. For reading the results, the **double 6,000-count backlit display** is equipped with a **61+2-segment bargraph** with dual-mode remanent effect. For greater efficiency, the bargraph is equipped with a **central zero** so that variations can be viewed quickly, particularly when measuring on DC signals. In terms of safety, these multimeters are suitable for all **600 V CAT IV** applications.

Performance

Professionals will find all the classic functions with specifications that make them **excellent value for money**. The particularly wide measurement ranges cover even extreme values. This means you can measure voltage up to 1,000 V_{AC/DC}, resistance up to 60 MΩ and capacitance up to 60 mF...with resolutions as small as 1 μA, 10 μV, 1 pF, etc.

There are **very useful built-in ranges**: 60 mV_{AC/DC}, 600 μA_{DC} and 6,000 μA_{AC/DC}. The 600 μA_{DC} range can be used to measure the **ionization current**, whose values are usually between 3 and 12 μA. When set to V_{LowZ}, the C.A 5270s detect spurious voltages. When combined with the **low-pass filter**, this function makes the C.A 5270s suitable for measurements on electronic power supplies.

Functions

Our C.A 5270 multimeters offer all the functions of a general-purpose multimeter as well as advanced functions for measurements **in the field**.

For quick assessment and analysis, you can compare the results with a known reference framework or quantity by using **relative and differential measurements**.

For a quick view of the range of variation of the signal measured, the Min and Max values are calculated over a period of 100 ms. The Peak+ and Peak- values of this signal are calculated over a period of 1 ms.

All these results are obtained by means of the **fast 12-bit TRMS acquisition TRMS**, which ensures high-quality measurements whatever the signal. With the sampling rate of 5 measurements/s, the measurement results are top-quality whatever their form or type.

The **Extended HOLD** function stores not only the status of the measurement displayed but also the parameters linked to that measurement (Min, Max, Peak), for all the functions!

