

**Type of product:** Low-voltage two-pole Voltage Absence Testers  
**Product names:** C.A 771 & C.A 773

## **C.A 771 & C.A 773 Voltage Absence Testers (VATs)**

The C.A 771 & C.A 773 Voltage Absence Testers from the Chauvin Arnoux® brand are ideal for all indoor and outdoor low-voltage applications. They are designed for work on low-voltage electrical networks in industrial environments, as well as in aviation, shipping and rail transport.

Their class, **CAT IV 1,000 V**, and their **IP 65 protection rating** make them ideal for use in extreme conditions as their climatic class is type S.

They perform automatic AC and DC voltage testing with visual and audible indication, unipolar phase detection, continuity testing and resistance testing. Tripping of Residual Current Devices (RCDs) can be tested up to 30 mA.

In terms of ergonomics, the testers have been specially designed to facilitate handling when wearing safety gloves, with easy-access buttons and an anti-slip guard. Similarly, the IP2X test probes are removable. The C.A 773 is also equipped with a high-quality digital display and, to make it even more practical to use, the C.A 753 accessory allows measurements in total safety on European and Schuko power sockets. A built-in torch can be used to light the point of measurement.

### **Standards**

The brand new **C.A 771 and C.A 773 voltage absence testers** fulfil the requirements of the new **NF C 18-510 standard**, as well as the **EN 50110-1 European standard**. These standards stipulate that measurements must be made on non-current-carrying circuits to prevent electrical hazards in the context of work on installations connected to the electricity distribution network. The clearly-defined procedure for securing the installation is called Separation. The test to ensure that there is genuinely no voltage present is performed using a specific instrument compliant with the IEC 61243-3 standard, Edition 2: a Voltage Absence Tester.

### **The C.A 771/C.A 773 Voltage Absence Testers go beyond the standard recommendations**

**Redundant safety** in the event of power supply faults is provided by LEDs which light up in the presence of a hazardous voltage and by the **independent ELV LED** which flashes whenever the voltage is greater than 50 V<sub>AC</sub>/120 V<sub>DC</sub>. In addition, the greater the amplitude of the voltage, the faster it flashes.

**The integrated Autotest** involves thorough testing of the electrical circuits, the power supply, the displays and the continuity test function. A single contact with one of the test probes is all you need to **identify the phase**. Two-pole testing of the **phase sequence** with the 2-wire method up to 400 Hz can be used on isolating transformers or electrical generator sets.

Appendix B of the IEC 61243-3 standard recommends **audible and visual continuity testing** with R<100 Ω. These Chauvin Arnoux® voltage absence testers comply with these recommendations. They also offer an **extended continuity test** with visual indication for R<2 kΩ, 60 kΩ and 300 kΩ (C.A 771) or 0.5 Ω to 2.999 kΩ (C.A 773).

The **IP65** ingress protection of the C.A 771 and C.A 773 is higher than the recommendations in the standard, allowing **indoor and outdoor use** down to -15°C (**type N**) with the C.A 773 and down to -30 °C (**type S**) with the C.A 771. The C.A 771 can thus be used in extreme temperatures.

