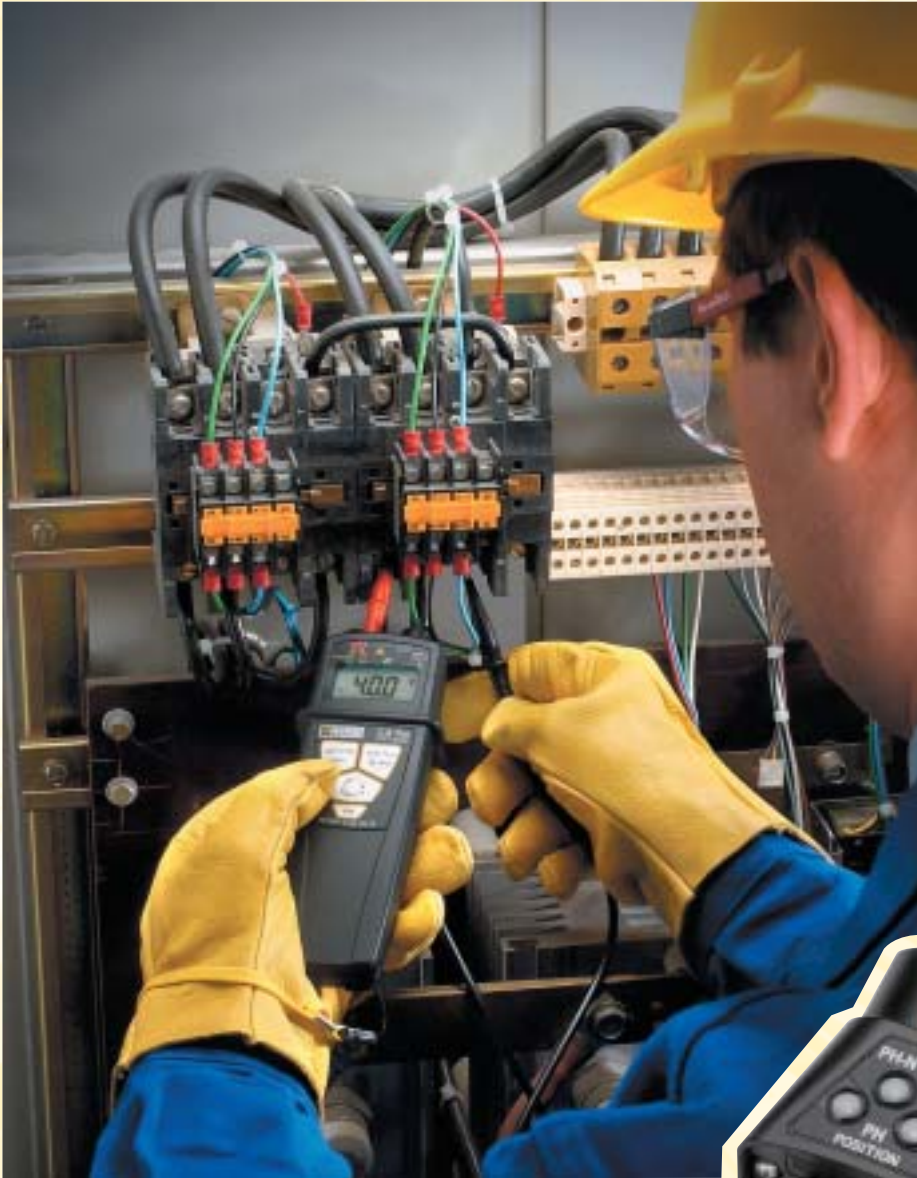


# Testers with the leading edge in safety

**C.A 760**

**C.A 704**

**C.A 751**



- Sturdy instruments: resistant if dropped from up to 2 m, guaranteed 2 years
- Guarantee maximum safety : 600 V Cat.III and 61243-3
- Respect the British Electricity at Work Regulations, 1989
- Outside use (IP65)
- Excellent quality / price ratio

 **CHAUVIN  
ARNOUX**

The **C.A 751 - C.A 760 - C.A 704** safety testers are simple and sturdy instruments that are essential tools of the electrician. They are adapted for all kinds of measurement situations: terminal switchboard, etc. Easy to use while wearing gloves, their sharpness and user-friendliness make handling simple and safe.

### The Safety Multimeter

## C.A 704

- ▶ 2000-count digital display with backlighting and HOLD function
- ▶ Resistance measurements up to 2 kΩ
- ▶ Automatic range



### The Safety Voltage Tester

## C.A 760

- ▶ 8 LEDs from 12 V to 690 V AC and 750 V DC
- ▶ Circuit breaker trigger test



- ▶ All automatic
- ▶ Audible continuity test
- ▶ Auto AC/DC, automatic ranges, automatic on and off

#### TESTERS FOR MAINTENANCE AS WELL AS INSPECTION TESTING BY SEPARATION

- Technically advanced and safe, the C.A 704 and C.A 760 operate in conformity with the IEC 61243-3 European standards for safety testers.
- Conceived to conform to the British Electricity at Work Regulations 1989, they also comply with the EN 61010-1 standard installation category III, for an assigned voltage of 600 V.

## ALL MEASUREMENTS VERY SIMPLE

on 2P+E sockets or terminal strips

- AC and / or DC voltage
- Audible and visual continuity test
- Direction of phase
- Phase position



Used together, the C.A 751 + the C.A 704 or the C.A 760 tester make quick and effective standard socket tests (phase position, connections and voltage).



With each of the testers, just one hand is needed to easily detect the phase. For the C.A 704, voltage can be measured at the same time.



Phase rotation direction is defined by a TT, TN, or IT neutral system due to an innovative 2-wire method. This test operates on generator sets.

correspond to the everyday needs  
 ds or socket outlets.  
 and sure.

## The 2P+E Socket Tester

### C.A 751

- ▶ Ground conductor and phase position connection, etc.
- ▶ Reversible, self-powered
- ▶ Adapts to the C.A 704 and C.A 760
- ▶ Can be used alone or with a multimeter on European format sockets



Self-powered, it can also be used alone to check socket connections and phase positions.

The C.A 751 marries ideally with a multimeter with D4 keys : the 2P+E adapter terminals are made for test probes with a diameter of 4 mm.



PLY

ltage  
 al

rotation



In voltage measurement, standard D2 test probes reach to the back of terminal strips.



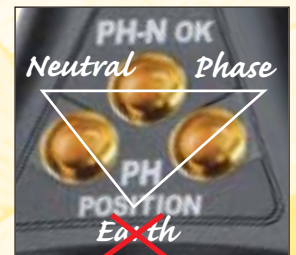
Used together, the C.A 751 + C.A 760 create a resistive phase-earth link for safely testing a 30 mA circuit breaker at 230 V AC.

With the test probes attached to the casing, their 19 mm center distance corresponds to the pole pitch of circuit breakers.

## DIAGNOSIS FOR ELECTRICAL SOCKET CABLING



Here, the wiring is correct: the central neon and one of the two bottom neons (phase position) light up.



Another result: there is a problem in the socket's wiring.

Ex.: here, all the neons light up: thus an earth fault.

## TECHNICAL SPECIFICATIONS

Voltage: 230 V network / frequency : 50 Hz

Installation neutral system: TT and TN

Does not trigger the circuit breaker.

European standard and Electrical safety:

IEC 61243-3 in association with a C.A 704 or a C.A 760,

EN 61010-1 category II, assigned voltage 230 V

Electromagnetic compatibility EN 61326-1/A2 criterion B

Protection rating of enclosure according to EN 61010-1: IP 20

Operating use: -10° C to +55° C for 96 % RH

Self-powered by the measurement

Dimensions: 95 x 50 x 38 mm / mass: 60 g

- Auto-test for the instrument and leads.
- High protection rating (IP65) for the casing and battery compartment.
- Ergonomic casing for use with gloves and over-gloves.
- Operating current of the instrument always inferior to the physical threshold of 3.5 mA, even when at maximum voltage, making it possible to use extending non-IP2X test probes (according to IEC 61243-3).

## TECHNICAL SPECIFICATIONS

	C.A 704	C.A 760
<b>Voltage detection</b>		
• Voltage:	2 / 20 / 200 / 690 V AC, basic accur. 2% 200 mV / 2 / 20 / 200 / 750 V DC, basic accur. 1%	10 V ≤ U ≤ 690 V AC 10 V ≤ U ≤ 750 V DC
• Frequency:		DC and 50-60 Hz at 400 Hz
• Impedance:	Z > 260 kΩ	Z = 390 kΩ
• Peak current at 750 V:		I <sub>s</sub> < 2 mA
<b>Locating phase / neutral</b>		
• Location:		above 127 V
• Frequency:		50-60 Hz to 400 Hz
• Operating current:		< 100 μA to 600 V / earth
<b>Protection / Continuity:</b>		600 Veff
<b>Resistance (C.A 704)</b>		
• Measurement range	- 0.001 kΩ to 1.999 kΩ +/-5%	
<b>Protection</b>		600 Veff
<b>Buzzer (2 kHz)</b>		
• Continuous beep for voltage test		127 V network
• Continuous beep for auto-test, continuity		≥ 50 V
<b>European standard and Electrical safety</b>		IEC 61243-3 relative to DDT - VAT (Voltage Detector, Voltage Absence Tester) EN 61010-1 Installation Category: III, assigned voltage 600 V
<b>Operating life</b>		
For operating consecutive Start / stop cycles		at 690 V AC: 100 without stopping
- Start <30 s and stop >240 s		at 750 V DC: 10 complete cycles
<b>Electromagnetic compatibility</b>		EN 61326-1/A2 criterion B
<b>Protection rating of enclosure according to EN 61010-1</b>		Casing: IP 65
<b>Environmental conditions</b>		Operating use: -10° C at +55° C for 96 % RH
<b>Power supply</b>		1 x 9 V battery, 6F22 or 6LF22 (6F22 supplied)
<b>Battery life</b>		
With an alkaline battery:	5000	2600
With a regular battery:	2500	1300
<b>Dimensions / Mass:</b>		163 x 63.6 x 40 mm / 210 g

On the back side of the **C.A 704** and **C.A 760** is a clever clip system for the test probes when disconnected.

This system makes storing the instrument in a tool box or pocket simple. The wrist strap slips easily around the wrist to prevent dropping.



The user is informed when the touch keys on the C.A 704 et C.A 760 are activated by a "click" sound.

Measurements made easy, even while wearing gloves!

Its detachable protective tip makes it possible to limit the contact area of the test probes.



## TO ORDER

- Safety Voltage tester C.A 760 .....P01191731Z
- Safety Multimeter C.A 704 .....P01191732Z
- Delivered in blister with battery, measurement leads and wrist strap
- Socket tester C.A 751 .....P01101997Z
- Delivered in blister, operates without battery

### YOUR DISTRIBUTOR

## ACCESSORIES

- Carrying cases (180x75x45 mm) .....P01.2980.12  
(220x120x70 mm) .....P01.2980.48
- Black lead with test probe IP2X Ø 2 mm .....P01.2951.52
- Red test probe IP2X Ø 2 mm .....P01.1008.54
- Black lead with test probe Ø 2 mm 61243-3 .....P01.2951.92
- 9 V alkaline battery .....P01.1007.59

## TEST & MEASUREMENT DIVISION

**FRANCE**  
190, rue Championnet  
75876 Paris Cedex 18  
tel. : (33) 01 44 85 44 85  
fax : (33) 01 46 27 73 89  
e-mail : export@chauvin-arnoux.fr  
www.chauvin-arnoux.fr

**UNITED KINGDOM**  
Waldeck House - Waldeck Road  
MAIDENHEAD SL6 8BR  
tel. : 01628 788 888  
fax : 01628 628 099  
e-mail : info@chauvin-arnoux.co.uk  
www.chauvin-arnoux.co.uk

**LEBANON**  
Ain El Zalka, Immeuble Zalka 686  
ZALKA (Beirut)  
Tel: +961 1 890 425  
Fax: +961 1 890 424  
e-mail: camie@chauvin-arnoux.com  
www.chauvin-arnoux.com

