

# ELECTRICAL TEST TOOLS

## VOLTAGE ABSENCE TESTERS (VATs)

### MODELS CA 771 & CA 773

*An essential tool for electricians to ensure no voltage is present before working on any electrical installation connected to the network*

### SPECIFICATIONS

MODELS	CA 771	CA 773
<b>ELECTRICAL</b>		
Display	LEDs	LEDs + backlit digital display
Voltage Absence Testing (VAT)	12VAC ≤ U ≤ 1000VAC; 12VDC ≤ U ≤ 1400VDC	
Voltage	LEDs	12 to 1000VAC; 12 to 1400VDC
	LEDs + backlit digital display	1.0V to 299.0VAC/DC 300V to 1,000VAC / 1,400VDC
Frequency	DC, 16.67 to 800Hz	
Impedance	> 500kΩ	
Max. Peak Current	3.5mA RMS	
Polarity Indication	Yes	
Redundant Hazardous Voltage Indication	The ELV (Extra-Low Voltage) LED indicates that the voltage is higher than the SELV (Safety Extra-Low Voltage) with rate at flashing proportional to the voltage level	
Stray Voltage Detection	Yes (by low-impedance load switching)	
GFI Tripping	up to 30mA	
Phase/Neutral Identification	Above 50V (45 to 65Hz); Above 150V (16.67 to 45Hz)	
<b>CONTINUITY &amp; RESISTANCE</b>		
Buzzer Trigger Threshold	100Ω typical (150Ω max.)	
Extended Continuity Test (Resistance)	2kΩ, 60kΩ, 300kΩ	0.5Ω to 2999kΩ
Test Current / Open-circuit Voltage	≤ 1mA / ≤ 3.3V	
Phase Rotation	2-wire method with microprocessor	
Ph/Ph Voltage	50V ≤ U ≤ 1000VAC (45 to 400Hz)	
Buzzer	Intermittent beep for Voltage Detection Continuous beep for continuity	
Electrical Safety	IEC 61243-3, EN 61243-3, IEC 61010 1000V CAT IV	
Operating Temperatures	-25.6° to 140°F (-30° to 60°C) (Class S)	5° to 113°F (-15° to 45°C) (Class N)
Power Source	2 x AA batteries (included) or NiMH batteries	
Environment	Storage: -40° to 158°F (-40° to 70°C)	
Dimensions/Weight	7.72 x 3.54 x 1.85" (196 x 90 x 47.1mm) / 570g	

### PRODUCT INCLUDES

Set of removable test probes Ø 2mm with crystal safety cover, probe-tip protector, velcro strap, (2) 1.5V AA batteries, and a multilingual user manual.



CA 771

CA 773



### FEATURES

- Full autotest
- Voltage detection, LED display:
  - 12VAC ≤ U ≤ 1000VAC
  - 12VDC ≤ U ≤ 1400VDC
- Frequency: DC, 16.67 to 800Hz
- Detection of stray voltages
- Unipolar phase detection (a single contact)
- Two-pole phase-sequence testing with 2-wire method = a third hand is not required
- Continuity test with audible and visual indication (R < 100Ω)
- Extended continuity test with visual indication for:
  - R < 2kΩ, 60kΩ and 300kΩ (Model CA 771)
  - R < 0.5Ω to 2.999kΩ (Model CA 773)
- RCD trip test
- Complies with EN 61243-3 & IEC 61010 1000V CAT IV
- Climatic conditions:
  - 25.6° to 140°F (-30° to 60°C) (Class S) (Model CA 771)
  - 5° to 113°F (-15° to 45°C) (Class N) (Model CA 773)
- Battery life > 5000 x 10s (Model CA 771) 2500 x 10s (Model CA 773) measurements
- Removable lead and test probe
- Delivered complete and ready to use

CATALOG NO.	DESCRIPTION
2121.14	Voltage Tester Model CA 771 (LED, VAT 12VAC ≤ U ≤ 1000VAC; 12VDC ≤ U ≤ 1400VDC, Absence of Voltage)
2121.15	Voltage Tester Model CA 773 (LED & backlit display, VAT 12VAC ≤ U ≤ 1000VAC; 12VDC ≤ U ≤ 1400VDC, Absence of Voltage)