

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
ELECTRICAL		
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)	
CONTINUITY & RESISTANCE		
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)