

ELECTRICAL TEST TOOLS

VOLTAGE ABSENCE TESTERS (VATs)

MODEL CA 773

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

SPECIFICATIONS

MODEL	CA 773
ELECTRICAL	
Display	LEDs + backlit digital display
Voltage Absence Testing (VAT)	$12 \text{ VAC} \leq U \leq 1000 \text{ VAC}$; $12 \text{ VDC} \leq U \leq 1400 \text{ VDC}$
Voltage	(12 to 1000) VAC; (12 to 1400) VDC
LEDs	
LEDs + backlit digital display	(1.0 to 299.0) VAC/DC (300 to 1,000) VAC / 1,400 VDC
Frequency	DC, (16.67 to 800) Hz
Impedance	> 500 kΩ
Max. Peak Current	3.5 mA 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 30 mA
Phase/Neutral Identification	Above 50 V (45 to 65) Hz; Above 150 V (16.67 to 45) Hz
CONTINUITY & RESISTANCE	
Buzzer Trigger Threshold	100 Ω typical (150 Ω max.)
Extended Continuity Test (Resistance)	0.5 Ω to 2999 kΩ
Test Current / Open-circuit Voltage	≤ 1 mA / ≤ 3.3 V
Phase Rotation	2-wire method with microprocessor
Ph/Ph Voltage	$50 \text{ V} \leq U \leq 1000 \text{ VAC}$ (45 to 400) Hz
Buzzer	Intermittent beep for Voltage Detection Continuous beep for continuity
Electrical Safety	IEC 61243-3, EN 61243-3, IEC 61010 1000 V CAT IV
Operating Temperatures	(5 to 113) °F (-15 to 45) °C (Class N)
Power Supply	(2) AA batteries (included) or NiMH batteries
Environment	Storage: (-40 to 158) °F (-40 to 70) °C
Dimensions	(7.72 x 3.54 x 1.85) in (196 x 90 x 47) mm
Weight	1.25 lb (567 g)

PRODUCT INCLUDES

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



CA 773



FEATURES

- Full autotest
- Voltage detection, LED display:
 $12 \text{ VAC} \leq U \leq 1000 \text{ VAC}$
 $12 \text{ VDC} \leq U \leq 1400 \text{ VDC}$
- Frequency: DC, (16.67 to 800) Hz
- 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 ($R < 100 \Omega$)
- Extended continuity test with visual indication for:
 $R < 0.5 \Omega$ to 2.999 kΩ
- RCD trip test
- Complies with EN 61243-3 & IEC 61010 1000 V CAT IV
- Battery life > 2500 x 10 s measurements
- Removable lead and test probe
- Delivered complete and ready to use

CATALOG NO.

2121.15

DESCRIPTION

Voltage Tester Model CA 773 (LED & backlit display, VAT $12 \text{ VAC} \leq U \leq 1000 \text{ VAC}$; $12 \text{ VDC} \leq U \leq 1400 \text{ VDC}$, Absence of Voltage)



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53