

# 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*



### FEATURES

- Full autotest
- Voltage detection, LED display:  
12 V<sub>AC</sub> ≤ U ≤ 1000 V<sub>AC</sub>  
12 V<sub>DC</sub> ≤ U ≤ 1400 V<sub>DC</sub>
- 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
- Continuity test with audible and visual indication (R < 100 Ω)
- Extended continuity test with visual indication for: R < 0.5 Ω 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

MODEL	CA 773
<b>ELECTRICAL</b>	
<b>Display</b>	LEDs + backlit digital display
<b>Voltage Absence Testing (VAT)</b>	12 V <sub>AC</sub> ≤ U ≤ 1000 V <sub>AC</sub> ; 12 V <sub>DC</sub> ≤ U ≤ 1400 V <sub>DC</sub>
<b>Voltage</b>	<b>LEDs</b> (12 to 1000) V <sub>AC</sub> ; (12 to 1400) V <sub>DC</sub>
	<b>LEDs + backlit digital display</b> (1.0 to 299.0) V <sub>AC/DC</sub> (300 to 1,000) V <sub>AC</sub> / 1,400 V <sub>DC</sub>
<b>Frequency</b>	DC, (16.67 to 800) Hz
<b>Impedance</b>	> 500 kΩ
<b>Max. Peak Current</b>	3.5 mA RMS
<b>Polarity Indication</b>	Yes
<b>Redundant Hazardous Voltage Indication</b>	The ELV ( <i>Extra-Low Voltage</i> ) LED indicates that the voltage is higher than the SELV ( <i>Safety Extra-Low Voltage</i> ) with rate at flashing proportional to the voltage level
<b>Stray Voltage Detection</b>	Yes ( <i>by low-impedance load switching</i> )
<b>GFI Tripping</b>	Up to 30 mA
<b>Phase / Neutral Identification</b>	Above 50 V (45 to 65) Hz; Above 150 V (16.67 to 45) Hz
<b>CONTINUITY &amp; RESISTANCE</b>	
<b>Buzzer Trigger Threshold</b>	100 Ω typical (150 Ω max.)
<b>Extended Continuity Test (Resistance)</b>	0.5 Ω to 2999 kΩ
<b>Test Current / Open-circuit Voltage</b>	≤ 1 mA / ≤ 3.3 V
<b>Phase Rotation</b>	2-wire method with microprocessor
<b>Ph / Ph Voltage</b>	50 V ≤ U ≤ 1000 V <sub>AC</sub> (45 to 400) Hz
<b>Buzzer</b>	Intermittent beep for Voltage Detection Continuous beep for continuity
<b>Electrical Safety</b>	IEC 61243-3, EN 61243-3, IEC 61010 1000 V CAT IV
<b>Operating Temperatures</b>	(5 to 113) °F (-15 to 45) °C ( <i>Class M</i> )
<b>Power Supply</b>	(2) AA batteries ( <i>included</i> ) or NiMH batteries
<b>Environment</b>	Storage: (-40 to 158) °F (-40 to 70) °C
<b>Dimensions</b>	(7.72 x 3.54 x 1.85) in (196 x 90 x 47) mm
<b>Weight</b>	1.25 lb (567 g)

Consult factory for NIST Calibration prices.

### 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.



CAT. #	DESCRIPTION
2121.15	Voltage Tester Model CA 773 (LED & backlit display, VAT 12 V <sub>AC</sub> ≤ U ≤ 1000 V <sub>AC</sub> ; 12 V <sub>DC</sub> ≤ U ≤ 1400 V <sub>DC</sub> , Absence of Voltage)