

# ELECTRICAL TEST TOOLS

## VOLTAGE ABSENCE TESTERS (VATs)



### MODEL C.A 771 & C.A 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:  
 $12V_{AC} \leq U \leq 1000V_{AC}$   
 $12V_{DC} \leq U \leq 1400V_{DC}$
- 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 ( $R < 100\Omega$ )
- Extended continuity test with visual indication for  $R < 2k\Omega$ ,  $60k\Omega$  and  $300k\Omega$  (Model C.A 771)  $R < 0.5\Omega$  to  $2.999k\Omega$  (Model C.A 773)
- RCD trip test
- Complies with EN 61243-3 & IEC 61010 1000V CAT IV
- Climatic conditions:  $-25.6^\circ$  to  $140^\circ F$  ( $-30^\circ$  to  $60^\circ C$ ) (Class S) (Model C.A 771) and  $5^\circ$  to  $113^\circ F$  ( $-15^\circ$  to  $45^\circ C$ ) (Class N) (Model C.A 773)
- Battery life > 5000 x 10s (Model C.A 771) 2500 x 10s (Model C.A 773) measurements
- Removable lead and test probe
- Delivered complete and ready to use

### SPECIFICATIONS

MODELS	C.A 771	C.A 773
<b>ELECTRICAL</b>		
Display	LEDs	LEDs + backlit digital display
Voltage Absence Testing (VAT)	$12V_{AC} \leq U \leq 1000V_{AC}$ ; $12V_{DC} \leq U \leq 1400V_{DC}$	
Voltage	12 to 1000Vac 12 to 1400Vdc	
Frequency	DC, 16.67 to 800Hz	
Impedance	> 500k $\Omega$	
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 the rate at which it flashes 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	100 $\Omega$ typical (150 $\Omega$ max.)	
Extended Continuity Test (Resistance)	2k $\Omega$ , 60k $\Omega$ , 300k $\Omega$	0.5 $\Omega$ to 2999k $\Omega$
Test Current/ Open-circuit Voltage	$\leq 1mA$ / $\leq 3.3V$	
Phase Rotation	2-wire method with microprocessor	
Ph/Ph Voltage	$50V \leq U \leq 1000V_{AC}$ (45 to 400Hz)	
Buzzer	Intermittent beep for Voltage Detection Continuous beep for continuity	
Standards & Electrical Safety	IEC 61243-3, EN 61243-3, IEC 61010 1000V CAT IV	
Operating Temperatures	$-25.6^\circ$ to $140^\circ F$ ( $-30^\circ$ to $60^\circ C$ ) (Class S)	$5^\circ$ to $113^\circ F$ ( $-15^\circ$ to $45^\circ C$ ) (Class N)
Power Source	2 x AA batteries (included) or NiMH batteries	
Environment	Storage: $-40^\circ$ to $158^\circ F$ ( $-40^\circ$ to $70^\circ C$ )	
Dimensions/Weight	7.72 x 3.54 x 1.85" (196 x 90 x 47.1mm) / 570g	

### PRODUCT INCLUDES



2 x 1.5V LR06/AA batteries, velcro strap, set of removable test probes  $\varnothing$  2mm with crystal safety cover, probe-tip protection, and user manual in 5 languages.

CATALOG NO.	DESCRIPTION
2121.14	Voltage Tester Model C.A 771
2121.15	Voltage Tester Model C.A 773