

### **ELCB Tester**

BESANTEK ELCB Tester is combined with 3 phase presence and rotation indicator combined with a 3 phase industrial earth leakage tester. ELCB represents the quickest and easiest way for servicing, repairing and electrical maintenance of 3 phase system with earth leakage.

### Features:

- Microprocessor controlled.
- Indicates phase rotation.
- Indicates phase presence.
- Indicates battery status.
- Test for disconnection sensitivity.
- Test for disconnection time.
- Measure voltage phase to earth.
- Select one of 3 Phase to test ELCB.
- Phase presence indication from as low as 100Vac.
- Very low consumption.
- Fused earth leakage tester.
- ELCB works 50Vac to 330Vac 50/60Hz.
- Led indication of voltage on ELCB.
- Phase rotation and presence does not require battery indicate.
- Accessories: Instruction manual, test leads and batteries.



**BST-ELC01** 

## **Technical Specification:**

Determination of the Phase Presence  Phase Presence  Determination of the Phase Presence  Determination of the Phase Presence  Determination of the Phases Rotary Field Direction (the voltage required to have the direction LEDs L1-L2-L3 or L2-L1-L3 to indicates)  Protection  Protection  Protection  Determination of the Phases Rotary Field Direction (the voltage required to have the direction LEDs L1-L2-L3 or L2-L1-L3 to indicates)  Frequency Range  Direction (The voltage required to have the direction LEDs L1-L2-L3 or L2-L1-L3 to indicates)  Frequency Range  Direction (Pase Start Selection	BST-ELC01			
Determination of the Phases Rotary Field Direction (the voltage required to have the direction LEDs L1-L2-L3 or L2-L1-L3 to indicates)  Frequency Range 2Hz to 400Hz  Protection Over Load 550V (between all terminals)  Over Voltage Class III-450V towards ground  Current Settings 999mA ac/50Hz-60Hz  Current Selection Knob  Phase Start Selection 0° and 180°  Over-Temperature Protection √  Phase Polarity Trip Indicator √  Operating Voltage (L-E) 220Vac to 317Vac  Timer Accuracy 1ms ± 4ms  Timer Resolution 1ms (max. time = 99.99s)  Current Resolution 1mA  Voltmeter Accuracy 50Hz) 50-350Vac = ±3%±2V  350-550Vac = ±7%±3V  Voltmeter Resolution 1V  Operating Temperature 0°C to 40°C  Storage Temperature 1.5V "C" × 8  Dimensions 330 (L) × 260 (W) × 160 (D) mm		indication (the voltage required for the neon lamps L1, L2, L3 to lit up)	100Vac to 450Vac	
Protection  Over Load Over Voltage  Class III-450V towards ground  Current Settings  Current Selection Phase Start Selection Over-Temperature Protection Phase Polarity Trip Indicator Operating Voltage (L-E)  Timer Accuracy Timer Resolution Current Accuracy Timer Resolution Current Resolution  Current Resolution Time  Voltmeter Accuracy (50Hz) Voltmeter Resolution  Operating Temperature  To c to 40°C  Storage Temperature  Dimensions  Over Load S50V (between all terminals) Sover Jobave and 180° Over Jobave Accord Name Accord Name Accord Name Accord Name Accord Name Accord Name Accord Note The Accord Name Accord N	Phases Rotary Field	Direction (the voltage required to have the direction LEDs L1-L2-L3 or L2-L1-L3 to indicates)	100Vac to 450Vac	
Protection  Over Voltage  Current Settings  Current Selection  Phase Start Selection  Over-Temperature Protection  Phase Polarity Trip Indicator  Operating Voltage (L-E)  Timer Accuracy  Timer Resolution  Current Resolution  Current Resolution  Voltmeter Accuracy (50Hz)  Voltmeter Resolution  Operating Temperature  Torc to 50°C  Power Source  Dimensions  Current Settings  999mA ac/50Hz towards ground  Knob  Phase Polarity Trip Indicator  O° and 180°  Ims ± 4ms  Timer Accuracy  1ms ± 4ms  Timer Resolution  1ms (max. time = 99.99s)  50-350Vac = ±3%±2V  350-550Vac = ±3%±2V  350-550Vac = ±7%±3V  Voltmeter Resolution  1V  Operating Temperature  10°C to 40°C  Storage Temperature  1.5V "C" × 8  Dimensions				
Earth Leakage  Dimensions  Earth Leakage  Donad 180°  Con and 180°  Donad 180°  Donad 180°  Dimensions  Earth Leakage  Dimensions  Earth Leakage  Dimensions  Earth Leakage  Donad 180°  Donad 180				
Earth Leakage  Deprating Voltage (L-E)  Deprating		3		
Phase Start Selection 0° and 180° Over-Temperature Protection √ Phase Polarity Trip Indicator √ Operating Voltage (L-E) 220Vac to 317Vac Timer Accuracy 1ms ± 4ms Timer Resolution 1ms (max. time = 99.99s) Current Accuracy ±3% ±4mA Current Resolution 1mA Voltmeter Accuracy (50Hz) 50-350Vac = ±3%±2V 350-550Vac = ±7%±3V Voltmeter Resolution 1V Operating Temperature 0°C to 40°C Storage Temperature -10°C to 50°C Power Source 1.5V "C" × 8 Dimensions 330 (L) × 260 (W) × 160 (D) mm				
Earth Leakage    Doer-Temperature Protection   √		Current Selection	Knob	
Earth Leakage		Phase Start Selection	0° and 180°	
Earth Leakage		Over-Temperature Protection	$\checkmark$	
Earth Leakage		Phase Polarity Trip Indicator	$\checkmark$	
Timer Accuracy Timer Resolution  Current Accuracy  Current Resolution  Voltmeter Accuracy (50Hz)  Voltmeter Accuracy (50Hz)  Voltmeter Resolution  Two Operating Temperature  Storage Temperature  Power Source  Times ± 4fms  1ms (max. time = 99.99s)  1creating - 20°-350Vac = ±3%±2V  350-550Vac = ±7%±3V  Voltmeter Resolution  1V  Operating Temperature  -10°C to 40°C  Storage Temperature  1.5V "C" × 8  Dimensions  330 (L) × 260 (W) × 160 (D) mm		Operating Voltage (L-E)	220Vac to 317Vac	
		Timer Accuracy	1ms ± 4ms	
		Timer Resolution	1ms (max. time = 99.99s)	
$Voltmeter\ Accuracy\ (50Hz) \qquad \begin{array}{c} 50\text{-}350\text{Vac} = \pm 3\% \pm 2\text{V} \\ 350\text{-}550\text{Vac} = \pm 7\% \pm 3\text{V} \\ \hline Voltmeter\ Resolution \qquad 1\text{V} \\ \hline Operating\ Temperature \qquad 0^{\circ}\text{C}\ to\ 40^{\circ}\text{C} \\ \hline Storage\ Temperature \qquad -10^{\circ}\text{C}\ to\ 50^{\circ}\text{C} \\ \hline Power\ Source \qquad 1.5\text{V}\ "C" \times 8 \\ \hline Dimensions \qquad 330\ (L) \times 260\ (W) \times 160\ (D)\ mm \\ \hline \end{array}$		Current Accuracy	±3% ±4mA	
$Voltmeter\ Accuracy\ (50Hz) \qquad 350-550 \ Vac = \pm 7\% \pm 3V$ $Voltmeter\ Resolution \qquad 1V$ $Operating\ Temperature \qquad 0^{\circ}C\ to\ 40^{\circ}C$ $Storage\ Temperature \qquad -10^{\circ}C\ to\ 50^{\circ}C$ $Power\ Source \qquad 1.5V\ "C" \times 8$ $Dimensions \qquad 330\ (L) \times 260\ (W) \times 160\ (D)\ mm$		Current Resolution	1mA	
		Voltmeter Accuracy (50Hz)		
Storage Temperature         -10°C to 50°C           Power Source         1.5V "C" × 8           Dimensions         330 (L) × 260 (W) × 160 (D) mm		Voltmeter Resolution	1V	
Power Source         1.5V "C" × 8           Dimensions         330 (L) × 260 (W) × 160 (D) mm	Operating Temperature	0°C to 40°C		
Dimensions 330 (L) × 260 (W) × 160 (D) mm	Storage Temperature	-10°C to 50°C		
	Power Source	1.5V "C" × 8		
Weight Approx. 3850g (batteries included)	Dimensions	330 (L) × 260 (W) × 160 (D) mm		
	Weight	Approx. 3850g (bat	teries included)	

#### **Accessories**



# Ordering Information:

BST-ELC01: ELCB Tester.



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Safety Standard:

EN 61010-1 CAT III 550V, EN 61326-1