

BZ701

Socket tester & supply polarity checker



Key features

- Incoming supply cross polarity test
- Quick & easy mains socket testing
- High/low voltage indication
- Red/Green LEDs and buzzer indicate 28 fault conditions
- N E L labelled LEDs quickly identify the source of common faults
- Tough sculpted design for easy removal

The BZ701 not only detects 28 socket wiring fault conditions and checks the mains voltage level, it also safely detects Line-Neutral reversal (cross polarity) at the incoming supply. The polarity swap test detects a serious fault condition that cannot be identified by normal socket testers on PME / TN-C-S systems, the most common type of supply. It is easily activated by using the touch pad on the BZ701. Correct polarity is indicated by three flashing green LEDs. A fault condition is clearly indicated by 3 red LEDs and a warning buzzer.

Socket polarity and earth wiring faults are identified by a combination of red LEDs. The LEDs are labelled N E L to aid fast identification of the source of common faults. A look up chart on the tester provides further fault diagnosis.

A continuous audible tone confirms that the socket wiring is correct, ideal for checking sockets that are not easily visible.

FUNCTION	BZ701
ELECTRICAL	
Nominal operating voltage	230V AC rms
Operating frequency	50Hz
Power consumption	<2.5W
Power	from mains socket under test
Standby	after approx. 10 minutes
Voltage low indication	<195V ± 5%
Voltage high indication	>270V ± 5%
Earth neutral voltage high indication	>30V nominal
Supply polarity	reversal test (L-NE swap at incoming supply)
GENERAL	
Dimensions	65 x 80 x 59mm
Weight	93g
ENVIRONMENTAL	
Location	Indoor use only
Altitude	up to 2000m
Operating environment	-10°C to 40°C at max. 60%RH
Mains supply voltage fluctuations	± 10%
Overvoltage category	CAT III 300V
Pollution degree	2
SAFETY	
Conforms to	Conforms to BS EN 61010-1:2010+A1:2019 Class II, Reinforced insulation
EMC	
Conforms to	BS EN 31326-1

Included

BZ701 instruction manual

Related products

EZ365 Advanced Socket Tester

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Ver. C1.1

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