

# 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   |
|---------------------------------------|---|
| <b>ELECTRICAL</b>                     |   |
| 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)                              |
| <b>GENERAL</b>                        |   |
| Dimensions                            | 65 x 80 x 59mm  |
| Weight                                | 93g   |
| <b>ENVIRONMENTAL</b>                  |   |
| 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   |
| <b>SAFETY</b>                         |   |
| Conforms to                           | Conforms to BS EN 61010-1:2010+A1:2019<br>Class II, Reinforced insulation |
| <b>EMC</b>                            |   |
| Conforms to                           | BS EN 31326-1   |

**Included**

BZ701 instruction manual

**Related products**

EZ365 Advanced Socket Tester

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