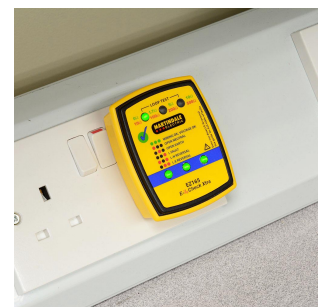


Martindale EZ165 Socket & Non-Trip Earth Loop Tester

Product Images

Product Code: C70-2075



Short Description

In addition to detecting 28 socket wiring fault conditions and checking mains voltage levels, the EZ165

verifies the earth wiring by carrying out a non-trip earth loop test and indicating its value in 6 discrete ranges from less than 1.7Ω to 500Ω .

A low earth resistance is essential for safety disconnection devices to work properly and prevent electrocution when faults occur. In contrast basic socket testers only indicate the presence of an earth and will do so even when resistance values are dangerously high.

Socket polarity and earth wiring faults are identified by a combination of red LEDs. The 3 LEDs correspond to neutral, earth and live connections to aid fast identification of the source of common faults. A look up chart on the tester provides further fault diagnosis.

The EZ165 is an Advanced Socket Tester as defined by the Health & Safety Executive as it indicates earth loop impedance. Advanced Socket Testers offer a simple solution to verifying socket earthing and are commonly used by engineers and technicians prior to servicing and installing mains powered electrical and gas appliances.

The EZ165 replaces the Martindale EZ150.

Specifications

Nominal operating voltage 230V AC rms

Operating frequency 50Hz

Power consumption <2.5W

Power from mains socket under test

Non-trip earth loop impedance ranges 0 – 1.7 – 5 – 10 – 100 – 200 – 500Ω

Earth loop threshold accuracy $\pm (10\% + 0.3\Omega)$ *

Voltage low indication $<195V \pm 5\%$

Voltage high indication $>270V \pm 5\%$

Earth neutral voltage high indication $>30V$ nominal

Open earth indication $>500\Omega \pm 10\%$

Dimensions 65 x 80 x 59mm

Weight 93 g

Temperature (Operating & Storage) -10°C to 40°C , at max. 60% RH

Altitude up to 2000m

Weight 93 g approx

Pollution degree: 2

Weight 93 g approx

Safety Conforms to BS EN 61010-1, CAT II 300V, Class II, double insulation

EMC Conforms to BS EN 61326-1

* Measurement accuracy can be affected by highly inductive or capacitive loads distributed on the supply.

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