Technical Data

EZ165 & EZ365

Advanced socket & non-trip earth loop testers









Key features

- Quick & easy mains socket polarity and earth testing
- High/low voltage indication
- Red/Green LEDs indicate 28 fault conditions
- Non-trip earth loop impedance test
- Tough sculpted design for easy removal

Additional features EZ365

- Incoming supply polarity swap test
- Trip testing 30mA RCDs
- Audible indication

The EZ165 and EZ365 not only detect 28 fault conditions and check the mains voltage level, they also show how safe the earth wiring is 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 detect the presence of an earth with some products showing an earth connection even when resistance values are as high as 500kΩ.

In addition to all the features of the EZ165, the EZ365 checks for L-NE polarity swap at the incoming supply and can be used to trip test 30mA RCDs. The L-NE cross polarity test detects a serious fault condition that cannot be identified by normal socket testers and is easily activated by using the touch pad on the EZ365.

Both the EZ165 and EZ365 are Advanced Socket Testers as defined by the Health & Safety Executive.

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Specifications

FUNCTION	EZ165	EZ365
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	
Non-trip earth loop impedance ranges	0 - 1.7 - 5 - 10 - 100 - 200 - 500Ω	
Earth loop threshold accuracy	± (10% + 0.3Ω)*	
Voltage low indication	<195V ± 5%	
Voltage high indication	>270V ± 5%	
Earth neutral voltage high indication	>30V nominal	
Open earth indication	>500Ω ± 10%	
RCD test current at 195V		30mA
Duration of RCD test current		300ms
Polarity		cross polarity (L-NE swap at incoming supply)
GENERAL		
Dimensions	65 x 80 x 59mm	
Weight	93g	
ENVIRONMENTAL		
Temperature (Operating & Storage)	-10°C to 40°C, at max. 60% RH	
Altitude	up to 2000m	
Pollution degree	2	
SAFETY		
Conforms to	BS EN 61010-1, CAT II 300V, Class II, Double insulation	
EMC		
Conforms to	BS EN 31326-1	

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

Included
EZ165/EZ365 instruction manual

Related products
EZ2500 Socket & non-trip earth loop tester with digital display

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