MARTINDALE ELECTRIC

RC2000
RCD Testers

The Digital RCD Tester is ideally suited for the testing of Residual Current Protection Devices, in compliance with the16th Edition of the IEE Wiring Regulations.

The tester is designed to test the most common RCDs in use,with a selector switch providing Fast, I and ½ Trip current settings. The Fast setting provides 150mA trip current for RCDs not exceeding 30mA. The I setting provides full rated trip current, which should cause the RCD under test to trip.The ½ setting provides half the rated trip current whereby the RCD should not trip. This tester has a 6mA setting, widening the range of RCDs it can test.

Other features include a polarity switch with 0° and 180°settings which permits a test cycle to commence with a positive or negative going wave form from the zero cross-over point. The facility to establish whether the system under test is correctly wired is provided by means of neon lamps and monitoring of the voltage present on the earth terminal.

SPECIFICATIONS

ELECTRICAL

Supply Voltage: 240 Volts AC, 50/60Hz

Test Currents

I, Full Trip Settings:	6mA – 10mA – 30mA – 100mA – 300mA – 500mA
I/2, Half Trip Settings:	3mA – 5mA – 15mA – 50mA – 150mA – 250mA

FAST Trip Setting: 150mA (Applicable to Full Trip Settings of 6, 10 and 30mA only)

Accuracy: ± 3% at 240V AC Supply Voltage
Rising Linearly To ±9% at ± 6% of 240V Supply Voltage

Timing Range: 0 to 1999 mSec in steps of 1mSec
Timing Accuracy: ±2% of reading ± 1 digit
Test Current Duration:

½	2 seconds
I	0.5 or 2 seconds selectable
FAST	0.05 seconds

Fuse: 1amp, HBC, ceramic, 5 x 20mm
Transient Protection: VDR at input
Safety: EMC: Meets BS EN 50081-1, BS EN 50082-1
LVD: Meets BS EN 61010-1

MECHANICAL

Height: 54mm (Excluding knob)
Length: 190mm
Width: 90mm
Case Material: Top – ABS
Base – ABS
Window – Polycarbonate
Weight (less carry case): 0.35 Kg
Display: Liquid Crystal
Sockets: CEE 22 (IEC 320)
Mains Lead: 1.5 metres long

ENVIRONMENTAL

Operating Temperature Range: 0°C to +40°C
Humidity: 95°RH at 40°C
Storage Temperature Range: –20°C to +70°C

Martindale Electric Company Ltd.
Metrohm House, Penfiold Trading Estate, Imperial Way, Watford, WD24 4YY. Tel: 01923 441717 Fax: 01923 446900
E-mail: sales@martindale-electric.co.uk Web site: http://www.martindale-electric.co.uk