



Specification

ET4

Electrical Tester



ELECTRICAL

All specified accuracies are at 23°C ± 5°C, <75% RH for 1 year.
Temperature Coefficient: < 0.1 x (specified accuracy) per °C. (0°C to 18°C, 28°C to 40°C)

DC Voltage

Range	Resolution	Input Impedance	Accuracy
500mV	0.1mV	1.1MΩ	± (0.5% of rdg + 2 dgts)
5V	0.001V	1MΩ	
50V	0.01V		
500V	0.1V		
600V	1V		

Overload Protection: 600V DC or AC rms

AC Voltage

Range	Resolution	Input Impedance	Accuracy
500mV	0.1mV	1 MΩ	Not specified
5V	0.001V		50-60Hz ± (1.2% of rdg + 5 dgts) 60-500Hz ± (2.0% of rdg + 5 dgts)
50V	0.01V		
500V	0.1V		
600V	1V		

Overload Protection: 600V DC or AC rms

DC Current

Range	Resolution	Accuracy
200A	0.1A	± (2.0% of rdg + 5 dgts)

Maximum input current: 200A

AC Current

Range	Resolution	Accuracy (50 Hz to 60 Hz)
200A	0.1A	± (2.0% of rdg + 10 dgts)

Maximum input current: 200A

Frequency

Frequency measurement using AC current range

Range	Resolution	Accuracy
30Hz to 400Hz	0.1Hz	± (0.1% of rdg + 5 dgts)

Input sensitivity > 10A AC rms.

Maximum input current: 200A AC rms

Resistance

Range	Resolution	Open circuit voltage	Accuracy
500Ω	0.1Ω	-3.2V DC	± (1.0% of rdg + 5 dgts)
5kΩ	0.001kΩ	-1.1V DC approx	
50kΩ	0.01kΩ		
500kΩ	0.1kΩ		
5MΩ	0.001MΩ		± (1.5% of rdg + 5 dgts)
50MΩ	0.1MΩ		± (3.0% of rdg + 5 dgts)

Overload Protection: 600V DC or AC rms

Continuity

Range	Resolution	Response time	Accuracy
500Ω	0.1Ω	100ms	<30Ω

Overload protection: 600V DC or AC rms

Diode Test

Range	Resolution	Test current	Open circuit voltage	Accuracy
2V	1mV	0.8mA approx.	3.2V DC approx.	± (1.5% rdg + 5 dgts)

Overload protection: 600V DC or AC rms

Non-Contact Voltage Indicator

Range: 70V to 600V (50Hz to 60Hz)

GENERAL

Display: Liquid crystal display with a maximum reading of 5000 digits, dual display

Polarity: Automatic, positive implied, '-' for negative polarity indication

Overrange: OL) or (-OL) is displayed

Zero: Automatic

Low battery indication: The battery capacity is shown by the  symbols on the LCD. If the  symbol is flashing followed by a **LO.Bt** display, the battery needs replacing as measurement accuracy can no longer be guaranteed

Measurement rate: 3.3 times per second, nominal

Auto power off: After 30 minutes approx

Power: 9V, PP3 alkaline battery (IEC 6LR61, NEDA 1604A)

Battery life: 50 hours typical with carbon zinc

100 hours typical with alkaline

Fork maximum conductor size: 15mm diameter

Dimensions: 202.5mm (L) x 51mm (W) x 44mm (D)

Weight: Approx. 200g including battery

Includes: TL17 test leads, 9V battery and instructions.

ENVIRONMENTAL

Operating environment: 0°C to 40°C, <70% RH

Storage temperature: -20°C to 60°C, 0 to 80% RH

Altitude: Up to 2000m

SAFETY

Conforms to BS EN 61010-1, BS EN 61010-2-032, CAT III 600 V

Class II, Double Insulation

Pollution Degree 2, indoor use

EMC

Conforms to BS EN 61326-1

TL17 TEST LEADS SPECIFICATION

Maximum voltage: 1000V AC/DC

Maximum current: 10A continuous.

Connectors: 4mm banana plugs.

Conforms to BS EN 61010-031,

Insulated end cap fitted: CAT IV 600V, CAT III 1000V, 10A

Insulated end cap removed: CAT II 1000V, 10A.

Class II, Double Insulation

Pollution degree 2

Check out what else you can get from Martindale:

- 17th Edition Testers
- Accessories
- Calibration Equipment
- Continuity Testers
- Electricians' Kits
- Environmental Products
- Full Calibration & Repair Service
- Fuse Finders
- Digital Clamp Meters
- Digital Multimeters
- Labels
- Microwave Leakage Detectors
- Motor Maintenance Equipment
- Multifunction Testers
- Non-trip Loop Testers
- Pat Testers & Accessories
- Phase Rotation Testers
- Proving Units
- Socket Testers
- Thermometers & Probes
- Test Leads
- Voltage Indicators
- Specialist Metrohm Testers (4 & 5kV)
- Specialist Drummond Testers



Martindale Electric Company Limited
Metrohm House, Imperial Park, Imperial Way, Watford, Hertfordshire, WD24 4PP, UK
Tel: +44(0)1923 441717 Fax: +44 (0)1923 446900
E-mail: sales@martindale-electric.co.uk
Website: www.martindale-electric.co.uk

© 2013 Martindale Electric Company Ltd.
Registered in England No. 3387451. E. & O.E. Document Rev3 LITET4