ET6000 series

Multifunction testers

Technical Data







CAT III 600V

CAT IV 300V

Key features

- Tests to 18th Edition wiring regulations
- Fast, reliable high current and non-trip loop testing
- High-quality colour display for clear display of results
- TL36 4mm test lead set with interchangeable probes and croc clips
- Rugged and reliable

ET6000 features

- Auto RCD and ramp test with all results on one screen
- Voltage measurement and phase rotation
- Multiple easy-to-access help screens

ET6300 additional features

- EV testing ready (with optional adapter)
- Low current continuity test
- 6mA, 650mA and 1000mA RCD tests
- TL180 slimline probe with test button
- Rechargeable batteries plus mains charger

ET6500 additional features

- Three & four wire earth resistance testing
- Memory and result reporting (via Excel)
- Includes the Martindale EV test adapter

The ET6000 Series multifunction testers from Martindale are professional, accurate, hand-held test instruments, designed and manufactured to perform all the measurements required for verification of electrical safety of installations, in accordance with the latest 18th Edition Wiring Regulations.

The three models in the range deliver fast, reliable high-current and non-trip loop testing as standard, together with a high level of input protection and a CAT IV safety rating. All models include voltage measurement and phase sequence indication.

The large colour display with backlight offers easy-to-read measurements and useful ‘Help’ menus at the press of a button for virtually every function, with example connection diagrams where appropriate.

The ET6000 is the ideal standard installation tester for 18th edition testing, while the ET6300 has expanded test capability including EV with the optional adapter accessory. The top-of-the-range ET6500 can be used to carry out 3 or 4-wire earth testing. It is also supplied with the Martindale EV adapter to enable testing of EV charger points. The ET6500 has onboard memory to store and download all installation test results for fast, reliable documentation, exporting data directly into an Excel format.

The ET6300 and ET6500 models are supplied with AA rechargeable batteries which can be easily recharged in the tester with the mains adaptor or from a car or van using the optional PSUHPAT12 in-car charger. Standard accessories include Martindale test leads with clips and probes, all terminated with industry-standard 4mm plugs. The ET6300 & ET6500 are supplied with a TL180 remote start probe with a test button, allowing one-handed measurement in those areas that are hard to reach.

The soft carrying bag, included with all models, protects the instrument and keeps all accessories together, making it simple and easy to move between locations.

MARTINDALE ELECTRIC

Keeping You Safe

ET6000 series

Multifunction testers

Specifications

Model	ET6000	ET6300	ET6500
SPECIFICATION			
Voltage	0V - 500V		
Frequency	10HZ - 499HZ		
EV ready		✓	✓
Complies with	BS EN 61010-1 CAT III 600V CAT IV 300V BS EN 61557, BS 57671:2018 18th Edition BS EN 61326-1		
Dimensions	250mm x 107mm x 135mm		
Weight	1.3kg approx (excluding batteries)		
INSULATION RESISTANCE			
Nominal voltages 50, 100, 250, 500 and 1,000V DC	✓	✓	✓
CONTINUITY RESISTANCE			
Low R (200mA)	✓	✓	✓
Continuity (low current)		✓	✓
RCD TESTING			
Nominal residual currents (mA)	10 / 30 /100 / 300 / 500	6 / 10 / 30 / 100 / 500 / 650 / 1000	6 / 10 / 30 / 100 / 500 / 650 / 1000
RCD type	A, AC, G, S	A, AC, B, B+, F, G, S	A, AC, B, B+, F, G, S
Contact voltage	✓	✓	✓
Trip-out time	✓	✓	✓
Trip-out current	✓	✓	✓
FAULT LOOP IMPEDENCE AND PROSPECTIVE FAULT CURRENT			
Z loop L-PE Ipfc	✓	✓	✓
Z loop L-PE RCD, Ipfc, non-trip subfunction	✓	✓	✓
Loop-Rs		✓	✓
Line impedance and prospective short-circuit current (PSC)	✓	✓	✓
Voltage drop detection		✓	✓
EARTH RESISTANCE (Requires optional Martindale ER2KIT-S or Martindale ER4KIT-S Earth Spike Kit)			
Re (3-wire and 4-wire) 1Ω / 9999Ω			✓
Ro (Specific earth resistance testing)			✓

OTHER FEATURES			
Automatic polarity change		✓	✓
Calibration date reminder	✓	✓	✓
Memory and reporting (Excel-export)			✓
Rechargeable batteries suitable for on-board charging	Optional	✓	✓
Systems	TN, TT	TT, TN, IT, LV (2 x 55V)	TT, TN, IT, LV (2 x 55V)
Supplied with external probe with button		✓	✓
Compatible with external probe with button	✓	✓	✓
Supplied with a Martindale EV adapter		Optional	✓
4mm leads - straight plugs with interchangeable probes & croc clips	✓	✓	✓

ET6000 Multifunction Tester includes: TL36 4mm test lead set, 6 x AA batteries, TL207 mains test lead, test and go carry bag, instruction manual, warranty registration and verification certificate.

ET6300 Multifunction Tester (EV Ready) includes: Mains charger, TL180 slimline probe with test button, TL36 4mm test lead set, TL207 mains test lead, 6 x AA rechargeable batteries for onboard charging, test and go carry bag, instruction manual and verification certificate.

ET6500 Advanced Multifunction Tester (EV/Downloadable) includes: TL305EV or TL326EV EV charger adapter, mains charger, TL180 slimline probe with test button, TL36 4mm test lead set, TL207 mains test lead, 6 x rechargeable AA batteries for onboard charging, test and go carry bag, instruction manual and verification certificate.

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