DET3TD
Digital Ground Tester



- **IP54 rated**
- **2 and 3 point testing**
- **Selectable 25 V or 50 V output**
- **Complete with lead and stake kit**
- **Simple one button operation**
- **Hardwearing carry case**
- **Delivered with calibration certificate**

DESCRIPTION

The new ground testing instrument family from Megger offers a unique solution to your ground rod testing needs. The complete kit of instrument, test leads, stakes, batteries and calibration certificate are delivered in a tough polypropylene carry case - everything you need to start testing in one kit.

The ground tester is rated to IP54 making it truly an outdoor instrument. The ground tester has been designed to be easy to use - a large selector switch makes selection of 2 and 3 pole test easy with gloved hands - and the design makes the fitting of shorting links to perform 2 pole tests a thing of the past. A large, clear, easy to read LCD display and thumb sized test button again makes the instrument particularly suited to the outdoor conditions of ground testing.

In addition to this ease of use, the ground tester also automatically checks the connection and condition of the P and C spike, indicating the status on the display. The instrument also includes a voltmeter to allow you to measure the ground voltage. The ground tester can measure resistance from 0.01 Ω through to 2000 Ω and earth voltages up to 100 V. To allow accurate testing in noisy environments the instrument is capable of rejecting noise of up to 40 V peak to peak.

The Megger digital ground tester is powered by eight AA batteries which are widely available and also give excellent testing time - the status of these batteries is given by a bar graph on the LCD display allowing you to decide when to change the batteries, before they expire.

The Megger ground testers are designed to meet stringent safety standards and are rated CAT IV 100 V.

ELECTRICAL SPECIFICATIONS

C spike check: Automatic

P spike check: Automatic

Noise check: Automatic

Noise rejection: 40 V peak to peak

2-wire test: Yes

3-wire test: Yes

Resistance accuracy: 2% ±3 digits

Resistance range: 0.01 to 2000 Ω

Maximum probe resistance:

Rp limit: 100 kΩ (50 V output voltage)

Rc limit: 100 kΩ (50 V output voltage)

Limits reduced to 50 kΩ for 25 V output voltage

Limits reduced to 5 kΩ for 0.01 Ω resolution on 18 Ω range

Earth voltage accuracy: 2% ±2 V

Earth voltage range: 0 - 100 V a.c.

Test voltage: 25 V or 50 V, user selectable (factory setting 50 V)

Test frequency: 128 Hz

Test current: 450 μA or 4.5 mA

Display: LCD

Battery type: 8 off AA cells

Battery life: 3 hours or 700 consecutive tests

Operating temperature range: -15 to +55ºC

Storage temperature range: -40 to +70ºC

Ingress protection: IP54

Safety

IEC61010-1 CAT IV 100 V*

EN61557-1, EN61557-5

EMC

IEC61326-1

Dimensions: 203 x 148 x 78 mm (8 x 5.7 x 3.2 inches)

Weight: 1 kg

* The CAT IV 100 V rating is dependant on the use of a lead-set of at least this rating, for example the optional two wire leadset part number 1001-858

ORDERING INFORMATION

Item (Qty)	Order Code
Digital tester 2 and 3 terminal	DET3TD
Included Accessories	
Hard carry case	
Stake and wire kit	
Optional Accessories	
Right angled terminal adaptor set	6220-803
2 replacement earth test spikes (200 mm, 8 mm dia.)	6220-804
3 replacement test leads (15 m, 10 m, 3 m)	6220-805
'Getting down to earth' A Megger guide to earth testing	21500-072
Black crocodile clip	6220-850
Leadset	1001-858

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ISO STATEMENT
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DET3TD_DS_en_V06
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