

GROUND RESISTANCE TEST EQUIPMENT

Megger is the expert in ground resistance testing. From time saving clamp-on ground testers to specialty models for high sensitivity testing, we have the ground resistance tester to fit your application and budget.

The Megger line of ground resistance testers provides high accuracy, a broad testing range and fast, reliable measurements. Megger ground testers are easy to use and lightweight.

The next few pages will outline the full line of ground testing equipment that Megger has to offer.

Our staff of professionals will help with your technical grounding questions and recommend the ground tester that best fits your need. Call us at 866-254-0962 or search the web at us.megger.com.

NEW!
DET2/3



The DET2/3 is a robust and compact advanced earth/ground test instrument designed to measure Earth electrode resistance and soil resistivity. The DET2/3 is a tester for use on large or more complex earth/ground systems, which include Power Stations, Substations, railways, communication systems and difficult test environments.

With its powerful processor controlled system it provides a flexible and 'user-friendly' approach to earth tests by the provision of excellent error detection capabilities and full test information shown on a large colour display. The DET2/3 can also provide a live trace of its measurements onscreen, which graphically shows the amount of changes and/or noise from the system under test - a powerful diagnostic tool for the ground testing professional.



DET2/3 SERIES SELECTION GUIDE			
Cat. No.	Description	Warranty	
DET2/3	DET 2/3 ground tester without leads	1	
1008-969	DET 2/3 ground tester plus lead kit - 50 m	1	
1008-989	DET 2/3 ground tester plus lead kit -100 m	1	

** Extended warranty available for some products



OPTIONAL TRANSIT CASE

The new product transport case is designed to offer your Megger MIT5-10-15 kV, DLRO10HD/ DLRO10HDX, DLRO100, DET2/3 the best protection, while keeping all the required test leads and accessories together. It is ideal for storing instruments in trucks or vans.



ORDERING INFORMATION TRANSIT CASE		
Cat. No.	Description	
1009-744	Transit case for use with MIT5-10-15 kV DLRO10HD/HDX, DLRO100, DET2/3	

DET3 CONTRACTOR SERIES



The DET3 Series of digital ground testing instruments from Megger is comprised of two models: an instrument for grounding and bonding tests and a unit that adds a current measuring function. With this added function, current on the ground rod can be measured for improved personnel safety and noise detection. The DET3TC includes the ART (Attached Rod Technique) method of testing which greatly reduces testing time.

These Megger digital ground testers are powered by eight AA batteries which give excellent testing time — the status of the batteries is given by a bar graph on the LCD. The Megger DET3 Series earth/ground testers is designed to meet stringent safety standards and is rated CAT IV 100V.

Each DET3 comes complete with test leads, stakes, batteries, calibration certificate and rugged polypropylene carry case.



DET3 SERIES SELECTION GUIDE		
	DET3TC	DET3TD
2-wire resistance	■	■
3-wire resistance	■	■
ART (attached rod technique) resistance measurement	■	
Resistance range	0.01 to 2000	0.01 to 2000
	2% ± 3d	2% ± 3d
Ground voltage range	0 to 100 V	0 to 100 V
Ground current range (with optional current measuring clamp)	0.5 mA to 19.9 A	
Warranty (years)**	1	1

** Extended warranty available for some products

WHAT’S IN THE DET3T NAME?

DIGITAL EARTH TESTER 3 TERMINAL

- D - Disposable Battery
- C - Works with MCC1010 (optional)

DET3TC works with MCC1010 (not included)



DET4T2 ENHANCED SERIES



These ground testers from Megger offer a comprehensive solution to ground resistance and soil resistivity testing needs. The instruments provide such functions as 2 pole, 3 pole, 4 pole, Attached Rod Technique (ART), stakeless, leakage current and ground noise voltage measurements. All models now include selectable output voltage (25 V or 50 V). The DET4TC2 and DET4TCR2 offer four selectable test frequencies (94, 105, 111 and 128 Hz) for improved testing in noisy environments.

An optional MCC1010 augments the traditional fall-of-potential measurement method with ART which allows electrode testing without disconnection and also leakage current measurement down to 1 mA. The MCV1010, a second optional clamp, enables true stakeless measurements to be made where driving a stake is not practical.

The DET4TC2 and DET4TD2 are powered by eight AA batteries which give excellent testing time. The DET4TR2 and DET4TCR2 are powered from rechargeable AA cells. For added convenience on all four units, the battery status is displayed using a bar graph.

The Megger DET4T2 Series earth/ground testers is designed to meet stringent safety standards and is rated CAT IV 100V.

THE ART OF GROUND TESTING

Ground testing using the ART (Attached Rod Technique) method is more convenient and reduces testing time. Models DET3TC, DET4TC2 and DET4TCR2 include this additional testing capability.

A nagging problem with traditional ground testing has been the requirement to disconnect the utility connection. Using the ART method you can reliably measure a grounding electrode while still connected and prove it!

The ART method is more convenient and significantly reduces your testing time as much as 40 percent!

The DET4TC2 and DET4TCR2 offer ART capability as well as stakeless testing and of course 4, 3 and 2 pole testing.

Find out about the Professional Ground Testing Kit See page 18

WHAT'S IN THE DET4T NAME?

DIGITAL EARTH TESTER 4 TERMINAL

- R** - Rechargeable Battery
- D** - Disposable Battery
- C** - Works with Clamp
- 2** - Second generation

DET4T2 SERIES SELECTION GUIDE

	Model No.	DET4TD2	DET4TR2	DET4TC2	DET4TCR2
	Cat. No.	1000-347	1000-324	1000-345	1000-346
Tests	2-pole measurement	■	■	■	■
	3-pole measurement	■	■	■	■
	4-pole measurement	■	■	■	■
	Soil resistivity	■	■	■	■
	ART (attached rod technique) capability			■	■
	Stakeless (clamp-on) measurement capability			■	■
	Resistance range	0.01 to 20,000 Ω		0.01 to 200,000 Ω	
	Ground voltage range	0 to 100 V			
	Ground current range (with MCC1010) capability			0.5 mA to 19.9 A	
Output	Selectable voltage (25/50 V)	■	■	■	■
	Test frequency	128 Hz		94, 105, 111, 128 Hz	
Power supply	Alkaline batteries	■		■	
	Rechargeable batteries		■		■
Noise rejection	40 V peak-to-peak	■	■	■	■
Safety rating	CAT IV 100 V	■	■	■	■
Ingress protection	Rated to IP54	■	■	■	■
Included accessories	Hard carry case	■	■	■	■
	Test leads (50 ft, 30 ft, 10 ft) and spikes	■	■	■	■
	External ac/dc adapter		■		■
	Certificate of calibration	■	■	■	■
Warranty (years)**		1	1	1	1

** Extended warranty available for some products

DET4T2 SERIES ACCESSORIES SELECTION GUIDE

Model No.	Cat. No.	Included Accessories							Battery	
		Hard carry case	4 Right-angle terminal adapters	Leads & spikes	External ac/dc Adapter	Field Calibrator	MCC1010 and MCV1010	Earth/ground kit, C/N 6320-245	Disposable	Rechargeable
DET4TD2	1000-347	■	■	■					■	
DET4TR2	1000-324	■	■	■	■					■
DET4TC2	1000-345	■	■	■					■	
DET4TC2+Clamps	1000-365	■	■	■		■	■		■	
DET4TC2+Kit	1000-404	■	■	■		■	■	■	■	
DET4TCR2	1000-346	■	■	■	■					■
DET4TCR2+Clamps	1000-366	■	■	■	■	■	■			■
DET4TCR2+Kit	1000-405	■	■	■	■	■	■	■		■

** Extended warranty available for some products