

1-800-GRAINGER (472-4643)



Motor Rotation Indicators and Testers

Devices help ensure correct motor/pump installation by identifying the phases and CW/CCW rotation, to prevent damage to the motor or electrical system.

AEMC Phase Sequence Tester—Detects open or de-energized phases. Determines correct wiring for proper rotation. Color-coded leads and black alligator clips. Line powered; no battery required.

Amprobe Phase Sequence Motor Rotation Tester—Tests power sources and motors, using test leads or wirelessly. L1/L2/L3 inputs. Convenient error display. Test leads, probes, alligator clips, carrying case, and AAA batteries.

Extech Noncontact Phase Sequence Tester—Checks phase sequence and status on 3-phase power sources. Beeper indicates phase detected and if it is reversed. 3 built-in, 30" test leads have color-coded, fully insulated alligator clips. Includes case and AA batteries.

Extech Phase and Motor Rotation Tester—Checks phase orientation on 3-phase power sources and shows motor rotation. Indicates phase sequence and status.

Extech Phase Sequence Tester—Phase orientation on 3-phase power sources. Graphical and multiline indication. No battery required.

Megger Phase and Motor Rotation Tester—Tests phase sequence and rotation, motor rotation, and transformer polarity without having to first energize the motor. Fuse-protected test leads, spare fuses, and battery.

UEI Test Instruments Hermetic Compressor Analyzer—Indicates motor winding continuity and ground faults. Breakout jacks for voltage and resistance, 3 ranges of 250VAC, dual AC voltage operation, and reverse motor option.



Item	Voltage Range	Display	Motor Rotation	Phase Rotation	Phase Voltage Present Indicator	Safety Rating	Mfr. Model	Item No.
AEMC Phase Sequence Tester	40 to 850V AC	LCD	No	Yes	Yes	CAT III 600V	6608	5GTK3
Amprobe Phase Sequence Motor Rotation Tester	40 to 700V AC	LCD	Yes	Yes	No	CAT IV 600V	PRM-6	40PC49
Extech Non-Contact Phase Sequence Tester	75 to 1000V AC	LED	No	Yes	Yes	CAT III 1000V, CAT IV 600V	PRT200	13X083
Phase And Motor Rotation Tester	40 to 600V AC	LED	Yes	Yes	Yes	CAT III 600V	480403	1T2P7
Phase Sequence Tester	40 to 600V AC	Multiline LCD	No	Yes	Yes	CAT III 600V	480400	1T2P6
Megger Phase And Motor Rotation Tester	Up to 600V AC	Analog Meter	Yes	Yes	Yes	—	560060	3T838
UEI Test Instruments Hermetic Compressor Analyzer	—	LED	No	No	No	—	HA1	8GJC7



Earth/Ground Resistance Testers

Each includes carrying case and batteries.

Extech Autoranging Clamp-On Tester 1YB44—Measures resistance current from 0.2mA to 30A. Programmable data logging with 116 data points. Automatic self-calibration, high/low alarms, and 9999-count LCD. Resistance check plate.

Megger Autoranging Clamp-On Tester 46AN65—Measures resistance current from 0.5mA to 35A and true RMS ground leakage current up to 35A RMS. Stores up to 2000 date- and time-stamped records. Electric noise filter, intelligent data hold, resistance and current alarms, and Bluetooth download capability. Includes calibration check, wrist strap, and software.

AEMC Autoranging Tester 4GA30—2- to 4-point ground resistance tester is fuse-protected to 250VAC. All error conditions are listed on the front panel, including low battery, overrange, and test lead shorts and lead reversals. Requires ground kit.

Extech 4-Wire 13X132—Autoranging tester with automatic zero adjustment measures resistance current less than 2mA. Performs 4-, 3-, and 2-wire testing with automatic I (current) and P (potential) spike checks. AC earth voltage, test hold, data hold, and overrange and low battery indication. Includes test leads with alligator clips and 4 auxiliary earth bars. Pollution degree 2.

Megger 1-Button 2MY25—Ground rod and grid testing and noise rejection to 40V. Measures ground resistance without disconnect when used with clamp 2MY26, sold separately on Grainger.com. IP54 weather-resistant. Includes probe and wire test kit.

Extech 3-Range Kit 9XKP5—Measures earth/ground resistance in 3 ranges. Hold, auto-zero, auto-off, and overload protection. Indicates overrange and low battery. Includes test leads, 2 auxiliary earth bars, and rubber holster.



Ground Resistance Range	Accuracy	Res.	Operating Frequency	Power Source	Display	Safety Rating	Brand	Mfr. Model	Item No.
Clamp On Earth Resistance Testers									
0.025 to 1500 ohm	±1.5% Of Reading ±0.1	0.002 ohm	3,333 Hz	9V	Digital LCD	CAT II 600V, CAT III 300V	Extech	382357	1YB44
0.050 to 1500 ohm	±1.5% ±0.05 ohm	0.01 ohm	1,390 Hz	(1) AA Batteries	Digital LCD	CAT IV 600V	Megger	DET24C	46AN65
—	High Range ±35%, Low Range ±1.5%	0.01 to 10 Ohms	1,390 Hz	—	Digital LCD	IP30, EN 61010-2-032 & CATIV 600V Pollution Degree 2	Megger	DET14C	6MRN4
Earth Ground Testers									
0 to 2000 ohm	2% of Reading ±1 Count	0.01 to 1 Ohms	128 Hz	(8) C Batteries	Digital LCD	CAT III 30V	AEMC	4620	4GA30
0.002/0.02/0.2/2 kilohm	±2% of Reading ±3 Digits	0.001 to 1k Ohms	820 Hz	(8) AA Batteries	Dual Line LCD	CAT IV 300V	Extech	GRT300	13X132
0.01 to 2000 ohm	—	—	128 Hz	(8) AA Batteries	Digital LCD	CAT IV 100V	Megger	DET3TC	2MY25
Earth Ground Tester Kit									
0.02/0.2/2 kilohm	±0.8% of Reading ±3 Digits	0.01 Ohms	820 Hz	(6) AA Batteries	Digital LCD	CAT III 1000V	Extech	382252	9XKP5

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