

EARTH GROUND TESTERS



Selection guide

	1630	1621	1623-2	1625-2
2-Pole (ac) resistance measurement		•	•	•
3-Pole earth measurement		•	•	•
Measurement frequency—128 Hz		•	•	
4-Pole earth ground and soil resistivity measurement			•	•
Selective testing			•	•
Stakeless testing (ground loop resistance)	•		•	•
Memory			•	•
USB port			•	•
Automatic Frequency Control (AFC) 94 Hz to 128 Hz				•
R* measurement				•
Adjustable limits				•

Fluke 1625-2 and 1623-2 Geo Earth Ground Testers

Simpler, faster testing

Grounding testers, like the Fluke 1623-2 and 1625-2, help maintain uptime and lower the risk of electric shock to users while helping solve intermittent power quality problems. The Fluke earth ground testers perform all four essential earth ground test methods that users demand:

- 3- and 4-pole Fall of Potential, earth resistance loop testing
- 4-pole soil resistivity testing
- Selective earth ground testing using one clamp
- Stakeless earth ground testing using two clamps

The 1623-2 and 1625-2 also make earth grounding tests faster and easier than previous methods because of automatic data collection and storage and faster setup. Color coded wires for easier identification and deploying of wire reels and stakes.

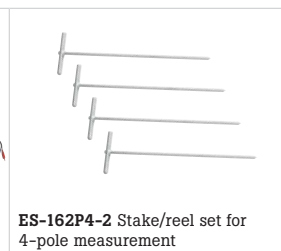
- IP56 rated for outdoor use
- USB data storage and transfer
- Automatic Frequency Control (AFC)—identifies existing interference and chooses a measurement frequency to minimize its effect, providing more accurate earth ground value
- R* measurement—calculates earth ground impedance at 55 Hz to more accurately reflect the earth ground resistance that a fault-to-earth ground would see
- Adjustable limits—for quicker testing

Ordering information

Models	Included accessories
FLUKE-1625-2 Advanced GEO Earth Ground Tester	Two test leads, USB cable, batteries, quick reference guide, users manual
FLUKE-1623-2 Basic GEO Earth Ground Tester	Two test leads, USB cable, batteries, quick reference guide, users manual
FLUKE-1625-2 KIT Advanced GEO Earth Ground Tester Kit	Two test leads, USB cable, 2 clamps (1 source, 1 sensing), carrying case, 4 earth ground stakes, 3 color coded cable reels, batteries, quick reference guide, users manual
FLUKE-1623-2 KIT Basic GEO Earth Ground Tester Kit	

These products are for unpowered installations measuring grounding connections.

Kits—buy more, save more



Recommended accessories



Faster setup, easier testing and deployment of wire reels and stakes.

Clamp-on transformer accessory for ground loop measurements on transmission pylons.



Fluke 1621 Basic Earth Ground Tester

Earth ground tester for resistance measurement

The Fluke 1621 Earth Ground Tester is a rugged, easy-to-use tester for three-pole ground resistance measurements and two-pole ac resistance measurements.

Earth ground resistance is measured by installing earth ground test electrodes, and testing. With a simple user interface and intuitive functionality, the large, clear LCD display provides high visibility results in daylight or poor lighting conditions.

- Three-pole earth resistance measurements
- Two-pole AC resistance measurements
- Large dual backlit display
- Limit settings for automatic measurement evaluation
- CAT II 600 V
- Two-year warranty

Ordering information

Models	Included accessories
FLUKE-1621 Basic Earth Ground Tester	Two measuring leads with alligator clips, 2 m (6 ft), yellow protective holster, 9 V alkaline battery (LR61), users manual, CD



Fluke 1630 Earth Ground Clamp Meter

Safely measures ground loop resistance

The Fluke 1630 Earth Ground Clamp Meter is able to measure ground loop resistances—using the stakeless testing method. This test technique eliminates the dangerous, and time consuming activity, of disconnecting parallel grounds. You can also perform earth ground tests: inside buildings, on power pylons or anywhere you don't have access to soil.

With the stakeless testing method, no earth ground stakes are used at all. A known voltage is induced by one half of the clamp and the current is measured by the other half. The tester automatically determines the ground loop resistance at this grounding connection.

- Quick and easy use—no earth ground stakes are necessary
- Large, 35 mm (1.35 in) jaw opening
- Measures ground resistance from 0.025 Ω to 1500 Ω
- Measures ground leakage current from 0.2 mA to 30 A
- High and low alarming
- Automatic self calibration
- Rugged carrying case and resistance check loop included
- Two-year warranty
- CAT III 300 V, CAT II 600

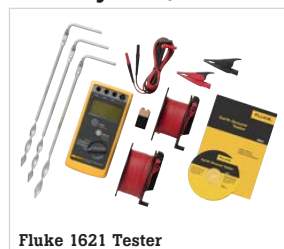
Ordering information

Models	Included accessories
FLUKE-1630 Earth Ground Clamp Meter	Rugged carrying case with belt, resistance test loop, 9 V battery, users manual



Take leakage current or ground measurements on grounding systems with multiple parallel grounding electrodes (transformers, utility grounds, transmission tower grounds, and communication ground systems).

Kits—buy more, save more



Fluke 1621 Tester

Recommended accessories

Cable Reel 50 m Ground/earth wire (162.5 ft) for 1621	Cable Reel 25 m Ground/earth wire (81.25 ft) for 1621	ES-162P3 Stake/ reel set for 3-pole measurements for 1621

