

1620 Series Earth Ground Testers GEO

FLUKE®



Fluke 1623



Fluke 1625



Fluke 1625 kit

Included accessories

Fluke 1623: Protective holster, 2 test leads, 2 alligator clips, 1 shorting jumper, users manual

Fluke 1623 Kit: same as above plus stake/reel Set 4 pole and selective/stakeless clamp set
Fluke 1625: Protective holster, 2 test leads, 2 alligator clips, carrying strap, users manual
Fluke 1625 Kit: same as above plus stake/reel set 4 pole and selective/stakeless clamp set

Ordering information

Fluke 1623	Basic GEO Earth Ground Tester
Fluke 1623 Kit	Basic GEO Earth Ground Tester Kit
Fluke 1625	Advanced GEO Earth Ground Tester
Fluke 1625 Kit	Advanced GEO Earth Ground Tester Kit

11186-eng Rev.02

Advanced technology for all your earth ground testing applications

The new Fluke 1620 Series Earth Ground Testers not only measure ground resistance using the classic 'fall of potential test' but also enable time saving testing using the 'selective' and 'stakeless' methods. 'Selective' testing does not require the electrode under test to be disconnected during the measurement, thus increasing safety. The simple 'stakeless' method quickly checks ground connections using two current transformers (probes) clamped around the ground conductor under test. Offering 'one-button' simplicity, the 1623 is

an all-in-one earth ground tester, while the 1625 has extra versatility for more demanding applications.

Earth ground resistance and soil resistivity should be measured when:

- Designing earth ground systems
- Installing new ground system and electrical equipment
- Periodically testing ground and lightning protection systems
- Installing large electrical equipment such as transformers, switchgears, machines, etc.

Features

	1623	1625
One-button measurement concept	●	●
3- and 4-pole earth ground measurement	●	●
4-Pole soil resistivity testing	●	●
2-Pole resistance measurement AC	●	●
2-and 4-pole resistance measurement DC		●
Selective testing, no disconnection of ground conductor (1 clamp)	●	●
Stakeless testing, quick ground loop testing (2 clamps)	●	●
Measuring frequency 128 Hz	●	
Earth impedance measurement at 55 Hz		●
Automatic frequency control (AFC) (94 - 128 Hz)		●
Measuring voltage switchable 20/48V		●
Programmable limits, settings		●
Continuity with buzzer		●
Dust/water resistance	IP56	IP56
Safety rating	CAT II 300 V	CAT II 300 V

Specifications

(Check the Fluke web for detailed specifications)

	1623	1625
Resistance ranges	0 to 20 kΩ	0 to 300 kΩ
Operating error	± 5%	± 5%
Test voltage	48V	20/48V
Short circuit current	> 50mA	250mA

Battery type: 6 x AA alkaline cells
Size (HxWxD): 110 mm x 180 mm x 240 mm
Weight - 1623 Geo: 1.1 kg (including batteries)
1625 Geo: 1.1 kg (including batteries)
Two Year Warranty

Recommended Accessories

EI-1623 Selective/stakeless clamp set for 1623	EI-1625 Selective/stakeless clamp set for 1625	ES-162P3 Stake/reel set for 3 pole measurements	ES-162P4 Stake/reel set for 4 pole measurements	EI-162BN 320mm Split core transformer for selective measurements on high voltage pylons