

Fluke 1623-2 Earth Ground Tester

Fast, Accurate, Versatile Ground Resistance
Testing for Industrial, Utility & Commercial Applications



Why Fluke 1623-2?

- All-in-One Testing - Performs 3- and 4-pole fall-of-potential, selective, stakeless, and soil resistivity tests in one rugged device.
- Stake-less Testing - Measure ground resistance without disconnecting rods or driving stakes—ideal for restricted or hard-to-access sites.
- Reliable & Rugged - IP56-rated for outdoor use, built for tough environments.
- User-Friendly - Large rotary switch, one-button operation, and clear connection guidance speed up testing even with gloves.
- Data Management - Stores up to 1,500 records with USB transfer for seamless reporting and compliance documentation.

Summary of Tests & Deliverables.

The Fluke 1623-2 rental provides a comprehensive solution for earth ground testing —covering all critical methods with fast, accurate, and reliable measurements. It supports safety compliance, system commissioning, and troubleshooting across industrial, utility, commercial, and construction sectors.

Deliverables.

- Accurate earth ground resistance and soil resistivity measurements.
- Detailed test records stored internally and exportable via USB.
- Reliable data for commissioning, maintenance, troubleshooting, and compliance reporting.
- Faster setup and testing with world-class accessories included in rental.

ACEZ INSTRUMENTS PHILIPPINES CORPORATION

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Key Features Table.

Test Conducted	Purpose	Test Range & Value	Compliance Standard	Industrial/Utility Code	Specific Need for Test
3-Pole Fall-of-Potential	Measures ground resistance between electrode and earth	0.02 Ω – 19.99 k Ω	IEEE 81, IEC 60364, NFPA 70 (NEC)	Power substations, industrial plants	Verify grounding system integrity
4-Pole Fall-of-Potential	More accurate resistance measurement, compensates soil	0.02 Ω – 19.99 k Ω	IEEE 81, IEC 60364, NFPA 70 (NEC)	Utilities, large infrastructure	Critical installations requiring precise results
Selective (1 Clamp + Stakes)	Measures individual ground rod resistance in multi-ground	0.02 Ω – 19.99 k Ω	IEEE 81, IEC 60364, NFPA 70 (NEC)	Data centers, telecom, industrial sites	Test without disconnecting ground rods
Stakeless (2 Clamps)	Measures ground loop resistance without stakes	0.02 Ω – 199.9 Ω	IEEE 81, IEC 60364, NFPA 70 (NEC)	Buildings, power pylons, restricted sites	Fast testing where soil access is limited
4-Pole Soil Resistivity	Determines soil resistivity for grounding system design	0.02 $\Omega \cdot m$ – 19.99 k $\Omega \cdot m$	IEEE 81, IEC 60364, Eurocode 7	Construction, geotechnical, utilities	Site assessment for new grounding system design

Why Rent the Fluke 1623-2?

- Cost-Effective - Access premium testing capabilities without capital investment.
- Flexible - Ideal for short-term projects, periodic testing, or specialized jobs.
- Up-to-Date Technology - Use the latest features without worrying about obsolescence or maintenance.
- Support & Training - Rental includes expert guidance to maximize your testing efficiency.

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If you are....

In Electrical Utilities and Power Generation and need to test grounding systems in substations, transmission lines, and power plants to ensure safety and compliance.

In Industrial Manufacturing and Facilities with heavy electrical equipment and machinery requiring regular grounding system verification and maintenance.

In Telecommunications and need to conduct for grounding tests at telecom towers, data centers, and communication infrastructure sites.

In Construction and Engineering and use during site assessments and commissioning of new grounding systems in commercial and industrial buildings.

In Renewable Energy, Solar and wind farm need to test grounding system testing in remote or difficult-to-access locations.

In Facility Management and Maintenance Services conducting periodic safety audits and troubleshooting grounding issues in large commercial or institutional buildings.

Contact us today to reserve the Fluke 1555C for your testing requirements!

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Click on the links for.
Rental Contract.
[Fluke 1623-2 Specifications.](#)
[Fluke 1623-2 User Manual.](#)

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