

# Fluke 1555 Insulation Resistance Tester

The Ultimate High-Voltage Insulation Tester !!



## Why Fluke 1555/Kit.

- High Test Voltage - 10 kV Maximum test Voltage.
- Wide Measurement Range - 2 TΩ, with Polarization Index (PI) and Dielectric Absorption Ratio (DAR).
- PI / DAR Calculations - Automatic Setup.
- Advance Safety Features - CAT IV600 V / CAT III 1000V, Live Circuit Warning.
- Data Storage - 99 Memory Locations, Data Management and Reporting.
- Compliance - IEEE 43-2000 Standards Full Range of Insulation Tests.

Ensure the reliability and safety of your high-voltage equipment with the Fluke 1555/Kit. Perfect for industrial and utility applications, this insulation resistance tester offers advanced features to meet your testing needs.

## Summary of Tests & Deliverables.

The Fluke 1555 provides comprehensive high voltage testing solutions for industrial and utility applications. It ensures compliance with international electrical standards, detects potential failures before they occur, and supports predictive maintenance programs. With advanced features like real-time data trending via Fluke Connect, automatic PI/DAR calculations, and ramp testing for breakdown diagnostics, it delivers unmatched precision and safety.

## Deliverables.

- Accurate test results stored in up to 99 memory locations.
- Compliance with IEEE, IEC, and ANSI standards.
- Enhanced safety with CAT IV 600 V rating.
- Detailed test reports for maintenance planning.

## ACEZ INSTRUMENTS PHILIPPINES CORPORATION

457-E Boni Avenue, New Zaniga, Mandaluyong City, Philippines 1550

Tel. No.: (63) 2 8470 8068 | Fax No.: (63) 2 8470 8043 | [sales@acezphil.com](mailto:sales@acezphil.com) | [www.acezphil.com](http://www.acezphil.com)

## Why Rent the Fluke 1555?

- Cost-effective solution for occasional high voltage testing needs.
- Ideal for preventive maintenance, commissioning, and troubleshooting.
- Portable design with robust features for field use.

**Key Features Table.**

Test Conducted	Purpose	Test Range & Value	Compliance Standard	Industrial/ Utility Code	Specific Need for Test
Insulation Resistance Test	Evaluate insulation integrity and detect degradation	Up to 2 TΩ (10 kV)	IEEE 43-2000	IEC 60085, ANSI C37.20.1	Prevents unexpected failures in motors, generators, cables, and switchgear
Polarization Index (PI)	Assess long-term insulation performance	Automatically calculated	IEEE 43-2000	IEC 60216	Identifies aging or moisture-related insulation issues
Dielectric Absorption Ratio (DAR)	Measure insulation absorption properties	Automatically calculated	IEEE 43-2000	IEC 60034	Detects early-stage insulation deterioration
Ramp Testing	Identify breakdown voltage and weak points in insulation	Adjustable ramp up to 10 kV	IEC 60270	NETA ATS	Ensures insulation can handle operational voltages safely
Leakage Current Measurement	Quantify leakage current to detect insulation faults	1 nA to 2 mA	IEC 61557	OSHA Electrical Safety Codes	Diagnoses potential short circuits or insulation breakdowns
Capacitance Measurement	Evaluate capacitance of cables and other components	0.01 μF to 15 μF	IEC 60093	IEEE Std. C57	Confirms proper installation and identifies changes in cable or equipment capacitance

## ACEZ INSTRUMENTS PHILIPPINES CORPORATION

457-E Boni Avenue, New Zaniga, Mandaluyong City, Philippines 1550

Tel. No.: (63) 2 8470 8068 | Fax No.: (63) 2 8470 8043 | sales@acezphil.com | www.acezphil.com

# If you are....

- Industrial Maintenance and Electrical Contractors responsible for maintaining and troubleshooting high-voltage motors, generators, switchgear, and industrial machiner you will value the Fluke 1555C for its ability to test insulation resistance up to 10 kV, measure polarization index (PI), dielectric absorption ratio (DAR), and perform ramp testing to detect insulation breakdowns.
- Utility Companies and Substation Specialists managing high-voltage cables, transformers, and switchgear, you can use the 1555/kit for preventive and predictive maintenance to avoid outages. Its CAT IV 600 V safety rating and remote operation via Fluke Connect app enhance safety in hazardous environments.
- Electrical Testing and Commissioning Firms involved in commissioning new electrical installations or performing acceptance testing on high-voltage equipment, you will benefit from the tester's wide voltage range (250 V to 10 kV) and data logging capabilities.
- Rental Companies Serving Construction and Power Generation needing temporary access to high-voltage insulation testing for project-based work, such as power plants or large construction sites, you will find the Fluke 1555/kit suitable due to its portability, robust design, and comprehensive test features.

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

**Contact Person :** Rico James Dulay  
**E-mail :** Rental@Acezphil.com  
**Tel. No. :** (632) 8470 8068

**Click on the links for.**

[Rental Contract.](#)

[Fluke 1555/Kit Specifications.](#)

[Fluke 1555/Kit User Manual.](#)

Date : 19th April, 2025

**ACEZ INSTRUMENTS PHILIPPINES CORPORATION**

457-E Boni Avenue, New Zaniga, Mandaluyong City, Philippines 1550

Tel. No.: (63) 2 8470 8068 | Fax No.: (63) 2 8470 8043 | sales@acezphil.com | www.acezphil.com