

Relay Protection Device Tester



Summary of Content

A relay protection tester is a specialized device used to verify, commission, and maintain protective relays, ensuring accurate fault detection and reliable power system operation.

Overview

A relay protection tester (also called a relay test set) is designed to simulate electrical signals such as voltage, current, frequency, and phase, as well as fault conditions, to evaluate the performance of protective relays in power systems. These testers ensure that relays respond correctly to abnormal conditions like short circuits, ground faults, overcurrents, undervoltages, and overvoltages, issuing trip signals to isolate faulty sections and maintain grid stability.

Key Functions

- **Signal Simulation:** Generates controlled voltage and current signals to mimic real-world faults and normal operating conditions.
- **Verification of Settings:** Checks relay operating thresholds (pickup values) for overcurrent, undervoltage, overvoltage, differential, and distance protection.
- **Timing Measurement:** Measures the time between fault detection and relay trip signal issuance.
- **Phase and Frequency Testing:** Simulates varying phase angles and frequency fluctuations to test directional, power, and low-frequency load-shedding functions.
- **Signal Accuracy Checks:** Verifies tripping, closing, alarming, and interlocking signals.

Article Content

Protective Relay Tester

Select from a number of protective relay tester models that feature varying power levels and complexity. Choose the

Protection Relay Testing

Combined with the immense functional range, our testing software also gives you the necessary flexibility to test protection relays

Protection relay testing device, Protection relay test equipment

Find your protection relay testing device easily amongst the 69 products from the leading brands (MEGGER, SIEMENS, KoCoS

Protection Relay Tester & Testing Equipment | Megger

Whether you need a single-phase unit or a Megger 3 phase relay test set, our protection relay testing equipment helps you prevent

Protection Relay Testing Equipment

Protection relay test sets, or relay testers, verify relays and microcomputer protections by simulating complex transient, permanent,

LND-802 Microcomputer Relay Protection Tester

It can test not only various traditional relays and protection devices, but also various modern microcomputer protections, especially

EMC Test Applications

Hence a comprehensive testing of protection relays is very important in order to keep the power system stable and working properly.

Protection relay testing and diagnostic solutions

Verify that your protection relays operate correctly when faults occur. Megger's smart relay testing solutions and

CMC 356

The CMC 356 is the universal six-phase testing solution for all generations and types of protection relays, where highest versatility,

Contact Us

For more information, pricing, or custom solutions, please contact us:

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