

Primary Current Injection Tester

This primary current injection tester is designed for testing and commissioning protective relays and circuit breakers. It features an AC current output up to 1000A and a digital panel meter for accurate current measurement.



Overview

High-Performance Current Injection Testing

The HYPICIT series primary current injection tester is an essential tool for power systems, designed for comprehensive testing of circuit breakers, protection systems, and current transformers. By generating high currents from a power supply, it simulates rated or fault currents in primary circuits, allowing for precise verification of protection system operations and circuit breaker stability. This versatile device serves as a reliable AC high current source for various power equipment and cable testing applications.

Technical Specifications

Output Performance

2000 A

Max Output Current

15 KVA

Max Output Capacity

Performance Indicators

| Metric | Value |
|--------------------|-------|
| Impedance Voltage | 8% |
| Idle Current | 6% |
| Current Distortion | <5% |

Power Supply

AC220V or AC 400V, 45Hz~65Hz (Capacity dependent)

Measurement & Accuracy

Optional Timer Configurations

- 4-digit timer: 0~9999s / 0~999.9s / 0~99.99s (Accuracy 0.5%RDG+5D)
- 5-digit timer: 0~99999s / 0~9999.9s / 0~999.99s (Accuracy 0.2%RDG+2D)
- 6-digit timer: 0~999999s / 0~99999.9s / 0~9999.99s (Accuracy 0.1%RDG+1D)

Measurement Accuracy

0.5%RDG+5D

Environmental

Operating Conditions

0-40°C, Humidity <90%

Applications

Primary Applications

Circuit Breaker Testing • Protection System Testing • Current Transformer Testing • Cable Testing