Current and Potential Transformer Analyzer

This analyzer is designed for testing current and potential transformers. It performs standard tests to evaluate remanence flux factor, saturation voltage, and excitation curves.

Overview

Professional Transformer Analysis

This versatile analyzer is engineered for comprehensive testing of both Current Transformers (CT) and Potential Transformers (PT). It supports a wide array of diagnostic functions including excitation curve analysis, turns ratio testing, polarity checks, and coil resistance measurements. Built for field use, the device combines high-precision measurement capabilities with a rugged, portable design, making it an essential tool for electrical power testing and maintenance.

Key Performance Metrics

Maximum Knee Voltage

45 kV
Max Knee Voltage

Power Output

300 VA
Power Output

Standards & Compliance

Supported Standards	IEC60044-1, IEC60044-6, GB1208, GB16847, C57.13

Technical Specifications

CT Testing Capabilities

- Excitation curve and parameters
- Turns ratio
- Ratio and phase error
- Polarity mark check
- Coil resistance measurement
- Secondary loop burden measurement
- Error line curve test (protection CT)
- Transient CT parameters
- CT nameplate guess
- Saturation hysteresis loop

PT Testing Capabilities

- Turns ratio
- Phase angle error
- Polarity test
- Secondary burden test
- Coil resistance test
- PT routine test

Electrical Ratings

Power Supply	AC220V±10%, 50Hz/60Hz±10%
Current Output	0.001~5A (RMS)

Measurement Accuracy

Measurement Ranges & Accuracy

Parameter	Range	Accuracy Note
Current	0~10A	<±0.1%+0.01%FS
Voltage	0~200V	<±0.1%+0.01%FS
Coil Resistance	0~8k©	<0.2%RDG+0.02%FS
Phase	-	±2min (0.01min res)

Physical Characteristics

Operating Conditions

-10°C to 50°C • Humidity d90%

Dimensions	485mm × 356mm × 183mm
Weight	15 kg