

Transformer Turns Ratio Tester

This tester accurately measures the turns ratio of single or three-phase transformers. It is designed for efficient testing with connections for both high and low voltage.



Overview

Professional Transformer Testing

The GDBC-901 is a full-automatic transformer turn ratio tester engineered for high-precision testing of single and three-phase transformers. Designed to comply with IEC76-1 and IEC60044 standards, it simplifies complex testing procedures by automatically measuring ratios, connection groups, and polarity. This robust device ensures reliable performance in diverse environments, making it an essential tool for electrical maintenance and quality assurance.

Key Features

Automation Functions

- Automatic measurement of transformer connection groups
- Automatic range switching
- Automatic ratio measurement for single/three-phase transformers
- Automatic ratio measurement for voltage transformers
- Automatic turn ratio and polarity measurement for CT and VT
- Automatic ratio error calculation

Supported Connection Modes

YY, YD, DD, DY

Technical Specifications

Measurement Accuracy

Range	Accuracy
1 - 1000	0.1%RGD+0.01%FS
100 - 10000	0.2%RGD+0.02%FS

Ratio Measuring Range

1 - 10000

Measuring Groups

1 - 12 point

Operational Metrics

Rated Power Supply

220 V

Voltage

50 Hz

Frequency

Operating Environment

- Temperature: -5°C to 50°C
- Humidity: <85%

Physical Dimensions

Dimensions & Weight

430 mm

Length

320 mm

Width

215 mm

Height

10 kg

Weight (Max)

Safety & Data

Safety & Protection

Overload Protection • Reverse Connection Detection • Auto-Cutoff Testing Voltage • Fuse Protection

Data Management

- Automatic data saving
- History data recall
- Micro printer integration