

# 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