

# Transformer Turns Ratio Tester

## General Information about AD-BT1000 Transformer Turns Ratio Tester

- ✓ AD-BT1000 Transformer Turns Ratio Tester is designed for three phase transformer of power system, especially for Z type winding transformer, rectifier transformer, Scott,inverse Scott and balance transformers in railway electrical system.
- ✓ AD-BT1000 input single phase power supply, and produce three phases or two phases power supply by inner power modules, output to the high voltage site of the transformer.
- ✓ High and low voltage are sampling at the same time, then the transformer connection groups, turn ratio, deviation, phase difference can be calculated.
- ✓ Easy to use, GDB-III is the ideal transformer turn ratio tester for electrical power system,transformer manufactures and railway electric system.



## Features:

- Large LCD screen, full English menu and English printing out.
- Especially suit to test the turn ratio and phase difference of the special type transformer.
- Especially suit test the rectifier transformer which with phase shift ,and intuitively display the angle of the phase shift Automatically produce amplitude stability ,phase constant,three phases(120°) or two phases power supply .
- Directly measure the voltage ratio and the phase difference of high and voltage site .
- Test three phases at the same time in the true sense.
- The testing parameter can be setted in one time, after convert the tapping switch, then to test directly. Automatically judge the tapped position and the standard turn ratio after converting.
- Fast speed testing, only 8 seconds to test one group of data.
- The testing result is not affected by the power supply frequency and amplitude fluctuations.
- Protection function of over-current and high-low voltage reverse connecting.
- The whole process can be completely controlled by the PC, save data ,print the testing report .
- Testing result can be automatically saved, up to 99 data can be stored.
- Built-in user's manual, easy to read at any time .

## Technical Specification of the device:

- Turns Ratio Range 1~10000
- Group Difference Range : 1~12
- Turns Ratio Range Accuracy: Turns Ratio Range 1~1000:0.2degree
- Turns Ratio Range: 1000~2000:0.5degree
- Turns Ratio Range: 2000~5000:1degree
- Turns Ratio Resolution: 0.0001
- Angle Resolution : 0.01°
- Power Supply: 220V±10% 、 50Hz±1Hz
- Working Temperature : -20°C~40°C
- Relative Humidity: ≤85%, no condensation
- Overall: 320mm×400mm×170mm
- Instrument Weight: 7kg

