



GDB-IV Transformer Turns Ratio Tester



Product Description

GDB-IV Transformer Turns Ratio Tester is an automatic tester that measures transformation ratio of single phase and three phase transformers, which is suitable for using in power system, transformer manufacturer and railway electrical system. It is suitable to be used for power transformer, phase shifting rectifier transformer, Scott transformer, Inverse Scott transformer.

Features

- 7-inch touch screen, full menu
- It generates 3-phase power or 2-phase power, and output to HV side of transformer. LV side and HV side are sampling at the same time, and group, turns ratio error and phase error are calculated at last.

- The instrument output 2 voltages, which enhance the adaptation of different voltage grade transformer.
- For the transformer with tap changer, after rated parameter is set, the position of tap changer, tap changer ratio of current position can be determined automatically when measuring.
- Fast speed, testing time for one group data is 10 s.
- Three-phase(120°) or two-phase(90°) power supply with stable amplitude and constant phase.
- With over-current, over-voltage protection function, over-heat function, reverse connection protection function.
- With 2pcs USB port, one for online and it can be controlled and measured by PC, data can be uploaded and saved by EXCEL file, one for inserting USB disk to save data.

Specifications

Voltage ratio test range: 1-10000

Group test range: 0-11

Voltage ratio test accuracy

- 1-500: 0.1% High voltage
- 500-2000: 0.2% High voltage
- 2000-10000: 0.5% High voltage
- 1-100: 0.2% Low voltage
- 100-500: 0.5% Low voltage

Voltage ratio resolution: 0.0001

Angle accuracy: 0.1°

Angle resolution: 0.01°

Accuracy of current measurement: 1% FS+2 digits

Power Input: Lithium battery 12V 10 Ah

Dimension: 387*175*379 mm

Weight: 9 kg

Operating temperature: -20°C-40°C

Relative moisture: ≤85%, no condensation