

**UDEY**<sup>®</sup>

# TRANSFORMER TURNS RATIO TESTER

(Fully automatic TRM-101)

Accessories Bag



### Safety Features

- Automatic cutoff after test
- Saves 99 test results
- Meets specs of IEC 60076
- Fuse protection for line short circuit
- Fuse and reset protection for reverse connection of HV and LV winding

**UDEYRAJ ELECTRICALS PRIVATE LIMITED**

# TRANSFORMER TURNS RATIO TESTER (Fully automatic)

**Introduction:** Ratio testers using manual 'current measuring bridge' circuits are now out dated. 'UDEY' model TRM-101 is a new, fully automatic tester that measures transformation ratio of single phase and three phase transformers using modern electronic techniques. TRM-101 is micro controller operated user friendly, accurate, reliable, small, light weight and reliable tester. TRM-101 incorporates a large LCD screen for display of menu and results. The results can be stored & printed on built-in printer after the test is over. TRM-101 incorporates breakthrough technology and design that gives accurate and reliable results, again and again.

## Main functions:

- \* Measure 3 ph transformer connection group according to IEC 76.
- \* Identification group of transformer according to IEC 76.
- \* Measure ratio of 3 ph transformer according to IEC 76.
- \* Indicate polarity of single phase transformer according to IEC60044.
- \* Measure turns ratio of PT and CT according to IEC60044.
- \* Switch measurement range.
- \* Measure excitation current injected to transformer coil.
- \* Calculate ratio error according to PRESET standard ratio.
- \* Calculate standard ratio according to regulated rate in load transformer testing.
- \* Measure 3 ph transformer connection group according to IEC 76.

## The advantages of TRM-101

- Fully Automatic; No Manual Balancing
- Automatic measure transformer connection group
- Test Single phase and three phase transformers
- Automatic process transformation of group
- Automatic calculation of ratio error
- Isolates test voltage automatically after test
- Automatic protection: Pri & Sec in reverse connection
- Automatic protection: Power output circuit overloaded.
- Save, Recall and print last 99 test results
- Print results on built-in printer

## Features

- Micro-controller operated
- Test wave generated of low distortion
- Protection for Pri/Sec coils in reverse connection
- Protection for power output overload
- Front panel with legend
- Built-in printer
- Weight: 8 kg

## Specifications:

- Display : LCD
- Power supply : 220V±10%, AC 50 Hz
- Measurement ratio : 1:10000
- Measuring groups : 1-12 point
- Accuracy : PT and TRANSFORMER  
0.1% rdg+0.01% FS for Ratio range of 1-1000  
0.2% rdg+0.02% FS for Ratio range of 100-10000  
CT  
0.2% rdg+0.02% FS for Ratio range of 1-1000  
0.5% rdg+0.05% FS for Ratio range of 100-10000
- Test voltage : H.T.: 80V AC max; L.T.: 5V AC max.
- Use environment : ≤ 40° C. < 85% R.H.
- Accessories : Test leads 8 meters long
- Dimensions : 43x 32 x 21.5 cm (TRM 101)
- Weight : 8 kg. (TRM 101)

Ordering information: TRM-101  
Specs subject to change



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