

XTRM-3A

Transformer Turns Ratio Meter



Features

- Test Voltage : 10V, 40V, 100V
- Measure Turns Ratio, Voltage Ratio & Ratio Error
- Measure Phase deviation & Excitation Current
- Auto Detection of Transformer Vector Group
- Quick set up with intuitive guide
- Inbuilt Printer with memory for 500 test results
- Bluetooth connectivity via Motware application
- IP54 ,CE & EMC Compatible

Motwane's Transformer Turn ratio Meter XTRM-3A is a new generation fully automated kit to measure Turns Ratio, Voltage Ratio, Ratio Error, Phase displacement & excitation current. It also automatically detect transformer Vector group. Selectable Test voltage provided to test transformers with various power ratings. XTRM-3A can be controlled via remote sensing OLTC cable. It has quick setup templates which automatically calculate nameplate ratios of transformer to avoid time consuming process of adding details of each tap ratio. Optional Bluetooth feature available with cloud based mobile app for reports & data trending analysis. Internal memory for 500 test results provided to save results during testing on site. Emergency safety switch provided for operators safety during undesired condition. XTRM-3A is CE & EMC certified with ingress protection IP54.



Applications

- Turn Ratio testing of Single phase/ Three phase Auto Transformers, Power Transformers and Distribution Transformers
- Turn Ratio testing of Current Transformers
- Verification & Checking of on load Tap Changers.

Technical Specification

Power supply	: 115V/230V AC, 50/60 Hz
Measurement ratio	: 0.8 : 10000
Ratio Accuracy	: 10V ±0.15% (0.8 - 999) 40V ±0.1% (0.8 - 999) ±0.15% (1000 - 1999) ±0.20% (2000 - 3999) ±0.25% (4000 - 10000) 100V ±0.1% (0.8 - 999) ±0.15% (1000 - 1999) ±0.20% (2000 - 3999) ±0.25% (4000 - 10000)
Test voltage	: 10V AC, 40V AC, 100V AC
Excitation Current	: Upto 1A
Resolution	: 0.1mA
Phase Angle	: ±180°
Phase Angle Resolution	: 0.01°
Accuracy	: ±0.5° ± 1digit
Display	: LCD
Printer	: Built in Thermal printer
PC interface	: USB
Report Storage	: 500 reports

Environmental Specifications

Operating Temperature	: 0 °C to 40 °C
Storage Temperature	: -10 °C to 60 °C
Relative Humidity	: ≤ 95%RH at 40°C max (non condensing)

Physical Specifications

Dimensions	: 502 x 401 x 188 mm
Weight	: 15 kg

Safety features

Safety / EMC	in accordance with EN 61010-1, EN 61326-1
CE Certified	
Ingress Protection	IP 54 / CAT III 600V
Emergency stop	

Notes

1. The Instrument is accompanied with Test & calibration sheet. 2. Test Facilities can be provided at the factory with the available test set-ups only. 3. The company's policy is continuous improvement of its products. We therefore reserve the Right of any deviation from illustration or specifications without notice. 4. Stated accuracies are valid from 10% of the range to 95% of the range. 5. Accuracy Specified for temperature range of 25°C ± 5°C & 55% RH ± 10%

Software Details

Full Windows compatible software

Software is fully compatible with Microsoft

Type	: Window based Software
Interface	: USB communication port
Features	: Remote Operation : Data down loading : Analysis and report generation



Accessories

Standard Accessories

- Mains Power Cord
- 15m Test Lead Set with alligator clips
- Thermal Paper roll
- Instruction Manual
- Calibration Certificate

Optional Accessories

- Software : 1 No.
- USB Cable : 1 No.
- Remote tap changer switch : 1 No.
- Bluetooth application via cloud based Motware application



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