

XWRM-25A

Transformer Winding Resistance Meter



Features

- Test Current : 25A ,10A ,1A ,100mA & 10mA
- Resolution of $0.1\mu\Omega$ with $\pm 0.1\%$ accuracy
- 3 independent resistance measuring channels
- Heat Run Test facility
- High open ckt voltage for stable readings
- Auto demagnetization facility
- OLTC dynamic test with Graph : Time vs Current
- In built thermal printer & memory
- Bluetooth connectivity with Motware app

XWRM-25A a Motwane make transformer winding resistance meter designed for accurate & fast measurement of highly inductive loads such as Transformers, Reactors & HT motors etc. The selectable smooth DC test current useful to test windings with different ratings. 60V open circuit voltage saturate the core in quick time in order to get stable readings. The three resistance measurement channels for simultaneous measurement of three windings to reduce testing time. The heat run test feature available with graphical representation through software. XWRM-25A can test make-before-break operation of on-load tap-changers which will help analysis of OLTC switch contracts. Back EMF protection against high inductive kickbacks. The large LCD display with Keypad provided for self explanatory easy operation. Internal memory for 2000 test results. Software for detail report generation & control . Inbuilt thermal printer provided for onsite report.



Area of Application

- Transformer Manufacturers
- Motor and Generator Manufacturers
- Power Utilities
- Large Industrial Sectors
- EPC Contractors
- Testing Agencies & Contractors

Technical Specification

Power Supply

115/230VAC,50/60 Hz

Test Current

25A, 10A, 1A, 100mA & 10mA

Open-Circuit Test Voltage : 60 VDC

Burden : 1500W

Resistance Measurement Range

Accuracy : $\pm(0.1\%$ of rdg. + 5counts)

Test Current					Range (Ω)	Resolution (Ω)	Maximum Display (Ω)
25A	10A	1A	100mA	10mA			
✓					200u Ω	0.01u Ω	199.99u Ω
✓	✓				2m Ω	0.1u Ω	1.9999m Ω
✓	✓	✓			20m Ω	1u Ω	19.999m Ω
✓	✓	✓	✓		200m Ω	10u Ω	199.99m Ω
	✓	✓	✓	✓	2 Ω	0.1m Ω	1.9999 Ω
		✓	✓	✓	20 Ω	1m Ω	19.999 Ω
			✓	✓	200 Ω	10 Ω	199.99 Ω
				✓	2000 Ω	0.1u Ω	1999.9 Ω

General

Principle	: 4 wire measurement
Measurement Channel	: 3 Resistance & 1 Current channels
Temperature Channel	: 2 Channel
Temperature Range	: 0 - 100 $^{\circ}$ C
Display	: LCD
Indication	: LED & Beep during Test ON, & discharge.
PC Interface	: USB
Internal memory	: 2000 test readings
Printer	: Inbuilt thermal printer

Safety & Standards

Ingress Protection : IP 54

CE Certification

Safety : Meets requirement of IEC 61010-1

EMC : Meets requirement of IEC 61326-1

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 $^{\circ}$ C \pm 5 $^{\circ}$ C & 55% RH \pm 10%

Environmental Conditions

Operating Temperature : 0 $^{\circ}$ C to 55 $^{\circ}$ C

Storage Temperature : -10 $^{\circ}$ C to 60 $^{\circ}$ C

Humidity : 95% RH, Non condensing

Physical Specifications

Dimensions (LxWxD) mm : 525 x 437 x 213

Weight : 15 kg

Software Details

Type	: Windows based analytical software
Data Transfer	: Real time data transfer
Features	: Online data acquisition Graph plotting for heat run test & OLTC dynamic test Remote operation Test report generation



Standard Accessories

- 15 meter test lead set
- Mains cord
- Short links - 2Nos.
- User Manual
- Calibration Certificate
- Carry Case for Test leads
- Earthing lead

Optional Accessories

- OLTC probe
- Software
- USB cord
- Temperature sensor
- Bluetooth Connectivity via Motware app



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