



Applications



Transformer



CT



PT

AUTOMATIC TRANSFORMER TURNS RATIO METER VTRM-3D , VTRM-1D (ANSI / IEEE C57.12.90, IS 2026, IEC 60076 Compliance)

KEY FEATURES

- Automatic Measurement of Transformer Turns Ratio
- Excitation Current, HV & LV Voltage, Polarity & %Deviation
- Vector Group selection facility
- Basic Accuracy $\pm 0.1\%$
- Turns Ratio 1-2000 (1-4000 Optional)
- 20 x 4 Jumbo LCD Display
- 3-Phase Connections enables simple and fast testing
- Hook Up Error Indication for Wrong HV LV Connection (YY)
- Hold Facility To Freeze Result with LED indication
- Test Voltage Applied Through ON/OFF Switch
- Reverse Polarity Indication by LED & LCD
- Over Current Protection for shorten Winding
- 200 Test Data Storage Inbuilt
- RS-232 & USB Interface with Software
- Portable in Size
- 4 X 4 Jumbo Size Keypad

APPLICATIONS

- Distribution Transformers, Power Transformers, CT PT & Other Transformer manufacturers & Repairers etc.
- Electricity Distribution & Transmission Companies to enhance their in house testing at micro Level.
- Electrical Test & Calibration Laboratories & Third Party Inspection Agencies.
- Engineering Colleges to aware students about Turn Ratio & it's measuring principles.
- Research Institutes for research work on Transformer Fundamentals.

INTRODUCTION

VEER make Automatic Transformer Turns Ratio Meter - VTRM 3D measures no-load Turns Ratio of Transformer. It means Ratio of High Voltage Winding to Low Voltage Winding of Transformer. It is capable to test 1-Phase, Y-Y, D-Y, D-D & Y-D configuration. Turns Ratio can be read directly from front LCD display. It also measures and displays % Deviation & Excitation Current. VTRM has inbuilt Data Storage Memory up to 200 Test Results. It can transfer all test results to Computer using dedicated Software & computer interface.

SPECIFICATIONS

Model	VTRM-3D	VTRM-1D
Phase	3	1
Connection Type	1-Phase, Y-Y, Y-D, D-D, D-Y	1 Phase
Ratio Range	1.0 - 2000.0 (1.0 - 4000.0 Optional)	1.0 - 4000.0
Operating Temperature	5°C To 50°C	
Operating Humidity	20% to 80% RH (no condensation)	
Storage Temperature	0°C To 55°C	
Power Consumption	30 VA max	
Resolution	5 Digits	
Parameters	Turns Ratio, Excitation current, HV & LV Voltages, % Deviation & Reverse Polarity	
Test Voltage	55 Volt @50Hz	10Volt @50Hz
	(Depends on Auxiliary Supply) (Other Range Available on Request)	
Excitation Current Range	200mA	500mA
	Resolution 0.1mA (Other Range Available on Request)	
Power Supply	AC 230V ± 10% @ 50 Hz Or AC 110V ± 10% @ 60 Hz (On Request)	
Accuracy	±0.1% Reading ± 0.1% Range (For Voltage And Ratio)	
Size of Instrument (WxDxH) in mm	473mm x 386mm x 206mm(Over all)	
Weight of Instrument	9.00 kg Approx.	
Warranty	12 Months for Manufacturing Defects only at Ex Works, No Warranty of any Accessories	

Note: 1. Above all Specifications are Subject to Change Without Prior Notice. Please Confirm at the Time of Placing an Order.
2. For More Details Please Contact Us.

ACCESSORIES



FEW OTHER PRODUCTS AT A GLANCE



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