



Applications



**Transformer
Manufacturer**



CT Manufacturer



PT Manufacturer



Vector Group Model

AUTOMATIC TRANSFORMER TURNS RATIO METER - VTRM (ANSI / IEEE C57.12.90 Compliance)

KEY FEATURES

- Automatic Measurement of Transformer Turns Ratio
- Excitation Current, HV & LV Voltage, Polarity & %Deviation
- 36 Vector Group selection facility (In Selected Model)
- Basic Accuracy $\pm 0.1\%$ Accurate measurement
- Turns Ratio 1:200 / 1:2000
- 20 x 4 LCD to Display all Parameters in Single Screen
- 3-Phase Connections enables simple and fast testing
- Hold Facility To Freeze Result with LED indication
- Test Voltages Applied Through ON/OFF Switch
- Reverse Polarity Indication by LED & LCD
- Over Current Protection for shorten Winding
- 200 Test Data Storage Inbuilt (500 Optional)
- RS-232 & USB (Optional) Interface with Software
- Portable in Size (Table Top & Panel Mount)

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 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 Y-Y, D-Y, D-D & Y-D configuration. You can read Turns Ratio directly from front LCD display. It also measures and display % 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-1	VTRM-3	VTRM-3 (Vector Group)
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		
Phase	1	3	3
Connection Type	1 Phase	Y-Y, D-Y	Y-Y, D-Y, Y-D, D-D
Ratio Range	1.0 - 200.0/1.0 - 2000.0	1.0 - 200.0/1.0 - 2000.0	1.0 - 2000.0
Resolution	5 Digits (Up to 2000 optional)		
Parameters	Turns Ratio, Excitation current, HV & LV Voltages, % Deviation & Reverse Polarity		
Excitation Voltage	55 Volt @50 Hz (Depends on Auxiliary Supply) (Other Range Available on Request)		
Excitation Current Range	200 mA, Resolution 0.1 mA (Other Range Available on Request)		
Power Supply	AC 230V ± 10% @ 50 Hz Or AC 110V ± 10% @ 60 Hz (On Request)		
Accuracy	± 0.1% rdg ± 0.1% rng (For Voltage & Ratio)		
Size of Instrument (WxDxH) in mm	376 mm x 320mm x 145mm (Over all), 332mm x 133mm (Panel Cutout Size)		
Weight of Instrument	5.00 kg Approx.		
Warranty	1 Year against manufacturing defects & Extended optional. No Warranty for accessories.		

NOTE:- 1. Above all Specifications are subject to change without prior notice Please confirm at the time of placing an order.

2. Size and weight may be change without prior notice, For more details please contact Us..

ACCESSORIES



HV & LV Cable



Power Cable
RS-232 & USB Cable



Accessories Bag



Software CD



Document File

FEW OTHER PRODUCTS AT A GLANCE



3-Phase Power Analyzer
VPA-60080



Digital Iron Loss Tester
VDW-2065



Digital Epstein Tester
VET-1608



Transformer / Motor
Pump Testing Panel



Turns Ratio Meter
VTRM


VEER ELECTRONICS
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