



### Applications



**Transformer**



**CT**



**PT**

## 1-PHASE AUTOMATIC TRANSFORMER TURNS RATIO METER VTRM - 1C (ANSI / IEEE C57.12.90 Compliance)

### KEY FEATURES

- Automatic Measurement of Transformer Turns Ratio
- Excitation Current, HV & LV Voltage, Polarity & %Deviation
- LED Indication for Fuse Blown
- Basic Accuracy  $\pm 0.1\%$  Accurate measurement
- Turns Ratio 1-4000
- 20 x 4 LCD to Display all Parameters in Single Screen
- 1-Phase Connection
- Hook Up Error Indication for Wrong HV LV Connection
- 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 (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 1C 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 configuration. Turns Ratio can be read 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-1C
Phase	1
Connection Type	1-Phase
Ratio Range	1-4000
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	10 Volt @ 50Hz (Depends on Auxiliary Supply) (Other Range Available on Request)
Excitation Current Range	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% rdg ± 0.1% rng (For Voltage & Ratio)
Size of Instrument (WxDxH) in mm	376mm x 320mm x 145mm(Over all)
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 5mt.



Power Cable  
RS-232 & USB Cable



Accessories Bag



Software CD



Document File

## FEW OTHER PRODUCTS AT A GLANCE



Transformer Turns  
Ratio Meter VTRM-3D



Transformer Turns  
Ratio Meter VTRM-3C



Transformer Turns  
Ratio Meter VTRM-3A



Transformer Turns  
Ratio Meter VTRMe



Transformer Testing  
Panel



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