



Toroidal Core Tester



Toroidal Cores



Testing Jig



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## TOROIDAL CORE TESTER VCT (ASTM A-927 Compliance)

### KEY FEATURES

- Direct Measurement of Core Loss (Watt/Kg)
- Measurement of Magnetizing Force (At/cm)
- Table Top Model
- 20X4 Bright LCD Display
- Tamper Proof Calibration
- Hold facility to freeze all measurement
- Inbuilt Data storage facility
- Computer Interface facility
- Free software to generate test report
- Easy to use

### APPLICATION

- To measure Quality of Toroidal cores of different materials like CRGO, Nano Crystalline, Amorphous etc.
- Useful for Toroidal core, Dimmer & CT Manufacturers & Users.
- Useful for Research & Educational Institutes in Electrical & Metallurgical Department.

## INTRODUCTION

VEER make Toroidal Core Tester VCT is portable & easy to use Instrument. It is very useful to measure AC magnetic properties of Electrical steel like AT/cm, Watt/kg, Flux Density (Induction in Tesla / Gauss) etc of Toroidal cores of different grade and size. We provide Free Computer software along with VCT. We provide Software to Generate Test Report in Excel file. You can also plot B/H Graph.

## THEORY OF OPERATION

There are two windings primary and secondary, which have same number of turns. After calculating core Area of Toroidal Core we can test it using this Instrument by applying respected test Voltage as required for different Induction. We are measuring Current of Primary winding & Voltage from secondary winding to find Losses, Induction & Magnetizing Force of Toroidal Core.

## SPECIFICATIONS

Parameters	Flux Volt, RMS Amp, Peak Amp, Power, Frequency, AT/cm, Watt/kg, Flux Density (Induction in Tesla / Gauss)
Voltage Range	5V / 30V / 60V / 150V (Other range available on request)
Current Range	1Amp / 5Amp / 10Amp / 15 Amp (Other range available on request)
Accuracy	± 0.2% FSD + 3digit for Voltage, Current & Watt, ± 0.05% of reading for Frequency
Power Supply	AC 230V / 110V ± 10% @ 50 Hz / 60 Hz
Power Consumption	Less than 50VA for No Load condition
Size of Instrument ( WxDxH) in mm	485 mm x 410 mm x 195 mm approx. *
Weight of Instrument	13 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. 2. \* Size and Weight may be vary according to different models and ranges.  
3. Images are only for reference, They may be differ according to different models.

## ACCESSORIES



## FEW OTHER PRODUCTS AT A GLANCE



 **VEER ELECTRONICS**  
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Plot No. B-45, GIDC Electronics Estate, Sector-25,  
Gandhinagar - 382024, Gujarat, India.  
Phone : +91 - 79 - 23 28 92 25 Fax : +91 - 79 - 23 28 92 26  
Mobile : +91 - 98 79 20 34 86 / 86 38  
Email : veer@veerelectronics.com, info@veerelectronics.com  
Web : www.veerelectronics.com, www.veerpoweranalyzer.com

  

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