



Stator Core



Core Loss Tester

CORE LOSS TESTER VCL (ISO 9001:2008 Compliance)

KEY FEATURES

- Direct Measurement of Core Loss (Watt/Kg)
- Measurement of Magnetizing Force (At/cm)
- Portable / 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 whole stamping stack of different materials like CRNO, CRC etc.
- Useful for Motor, Pump, Alternator, Generator Manufacturers, Core Manufacturers, Suppliers & Repairers.
- Useful for Research & Educational Institutes in Electrical & Metallurgical Department.

INTRODUCTION

Core loss testing has become one of the most important tests for quality assurance in motor industry. The function of a core loss tester is to determine whether a motor core is damaged or not. Damage could include shorts between laminations and electrical arcing. Although it is possible for a motor to still run with damaged core but efficiency of that motor will be get reduced. The motor will consume more power to operate at normal levels and it will cause the motor to generate more heat which will reduce motor life. VEER make Core Loss Tester is portable & easy to use instrument which is very useful to measure AC magnetic properties of core. We provide Free Computer software along with Instrument so you can create test report of Core & graph for V-I, B-H etc in Computer.

THEORY OF OPERATION

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

SPECIFICATIONS

Model	VCL-01	VCL-02	VCL-03	VCL-05	VCL-10
Voltage Range	5V	5V	5V	5V, 15V	5V, 15V
Current Range	200A	300A	600A	1000A, 333A	2000A, 666A
VA	1000	1500	3000	5000	10000
Parameters	Flux Volt, RMS Amp, Peak Amp, Power, Frequency, AT/cm, Watt/kg, Flux Density (Induction in Tesla / Gauss)				
Accuracy	$\pm 0.2\%$ FSD ± 5 digit for Voltage, Current & Watt, $\pm 0.05\%$ of reading for Frequency				
Power Supply	AC 230V / 110V $\pm 10\%$ @ 50 Hz / 60 Hz				
Power Consumption	Less than 50VA for No Load condition (For VCL-01)				
Size of Instrument (WxDxH) in mm	485 mm x 410 mm x 195 mm approx. *				
Weight of Instrument	26 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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