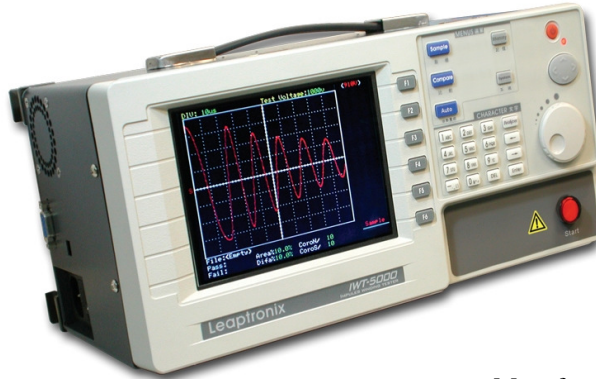


IWT 5000 A

Impulse Winding Tester



Manufactured by Leaptronix

The IWT 5000 Impulse Winding Tester tests the quality of the inter-winding insulation of coils used in electric motors and transformers. It provides a high voltage / low energy pulse to the coil under test and samples the resulting waveform. Inter-turn short circuits or insulation losses and other electro-magnetic variations can be detected by this method. A high frequency sampling rate allows micro-corona defects to be detected before they are actual short circuits. Four detection criteria are provided: waveform area integration, waveform differential, corona amount and corona number. Test parameters, including voltage level and sample size are easily set by the operator.

SPECIFICATIONS

Testing Voltage: 200—5000 Volt
Output Energy: 250 milli Joules maximum
Inductance: above .2 micro-Henry
Sampling Velocity: 8 bit / 10 micro-sec. (100 MHz)
Sampling Memory Depth: 5 K Bit
Input Resistance: 10 meg Ohm
Waveform Storage: 360 Sets
Control Interfaces: USB 2.0, RS-232, Handler

Display: 5.7 inch color LCD, 320 x 240
Comparison Output: Pass / Fail Warning
Operating Temperature: 25-40 C
Power Requirement: 50 or 60 Hz ,
120 / 240 volt AC switchable
Dimensions: 31 W x 15 H x 9 Dp. Cm
Weight: 5.3 Kg
ISO 9000

FEATURES

- 200 - 5000 Volt Programmable Impulse
- 100 MHz sampling detects partial discharge
- 4 Detection Modes Pass / Fail Operation
- External I/O, USB Controllable
- User friendly operator interface

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International Electro-Magnetics, Inc.
1033A S. Noel Ave., Wheeling, IL 60090
Tel: 847-358-4622 Fax: 847-947-8239
www.iemmag.com