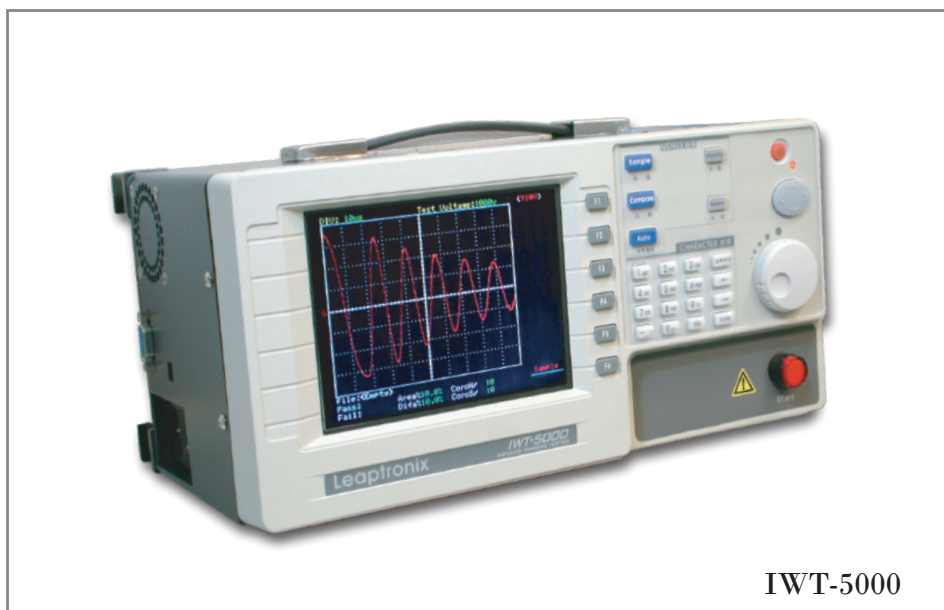


# Impulse Winding Tester

Provide the best measurement solution



IWT-5000

IWT-5000 winding tester is a coil (such as voltage transformer, inductance, motor) testing instrument that test the self-insulating property of the coil. The influences of winding materials, magnetic materials, framework and manufacturing decrease the insulating property of coil layers, jumpers and jacks. The IWT-5000 adopts the technology of high-speed sampling rate to store the sample waveform of the standard (master) coil in the instrument. By comparing the waveform of the test coil to the master, the defect DUT will be found easily. Moreover, the IWT-5000 judges the quality of the testing coil according to the parameter set by user.

## Features

- With 500V~5000V programmable impulse voltage, it is capable of low-energy testing, no damage the coil.
- Provide high-speed sampling rate of 100MHz which enhance the testing ability for partial discharge.
- 320x240 color LCD display clearly to view the waveform and test result.
- Provide user-friendly operation interface.
- Low inductance impulse testing, minimum to 20  $\mu$  H.
- Provide 4 kinds of detection modes, there are AreaSize Comparison, DiffZone Comparison, Corona Amount Comparison and Corona Number Comparison, which make the detection more comprehensively.
- The comparative result shows Pass/Fail directly, let operators detect the test result briefly.
- Offers the measurement functions for voltage, timing and frequency, which let user carry out analysis deeply.
- Able to save 100 sets standard waveforms of the coils which let user download and implement testing conveniently.
- To make analysis easier, IWT-5000 offers USB 2.0 interface for connecting with PC for user to upload or download the parameters of waveforms.
- Provides the control function for external I/O, such as Handler, and adopt standard D SUB 9-pin connector for connecting with automatic or semi-auto testing system.

## Physical Specification

<b>Testing Voltage</b>	500V~5000V(100V Steps)
<b>Output Energy</b>	0.25 J (max)
<b>Inductance Range Of Test Coil</b>	20 $\mu$ H above
<b>Sampling Velocity</b>	8 bit /10 ns (100MHz)
<b>Sampling Memory Depth</b>	5000Byte
<b>Input Resistance</b>	10M $\Omega$
<b>Display Measures</b>	320x240 5.7 Inch Colored LCD
<b>Comparison Measures</b>	AreaSize Comparison DiffZone Comparison Corona Amount Comparison Corona Number Comparison
<b>Storage Waveforms</b>	100 Sets of Waveforms
<b>Comparison Output</b>	Pass/Fail, beeping
<b>PC-Link Interface</b>	USB 2.0
<b>Working temperature</b>	25°C~40°C, $\leq$ 90% RH
<b>Applied power</b>	AC110/220;60~50Hz
<b>Dimension</b>	31(W) x 15(H) x 9(D)cm
<b>Weight</b>	5.3kg

## Standard Accessories

Main Unit.....	x1
High voltage test line.....	x1set
AC Power Cord.....	x1
User Manual.....	x1
CD.....	x1
USB 2.0 Cable.....	x1

## More product information

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