

Light Weight & Powerful Winding Resistance Meter

WINDAX is a fantastic example of how new technology can benefit old applications and make testing safer and more enjoyable.

A 25A, 1000W Winding Resistance Meter is usually heavy and bulky but the WINDAX weighs in at only 8kg!



WINDAX keywords

- ✘ Light weight - 8kg
- ✘ Powerful - 25A / 1000W
- ✘ Fast - Optimized Test Cycle
- ✘ Safe - Regulated Discharge Function
- ✘ Easy to use - Intuitive Menu System

WINDAX

General Description

WINDAX resistance meter use the most advanced switch mode technique available today generating true DC current/voltage in a fully automatic and regulated test sequence. Both the injection of current and the discharge of energy from the inductance in the transformer at the end of the test is fully automatic and regulated. WINDAX injects current with a voltage as high as 55V at start to ensure that the desired test current is reached as fast as possible. As soon as the resistance value is captured, WINDAX automatically discharges the winding alerting the user with a buzzer and a flashing LED to ensure a safe and efficient test procedure.

An easy to read display with an intuitive menu allows the user to set the desired test current. Press Start, and the rest is managed automatically by WINDAX. You can view the test result on the LCD display or download the data to computer via the serial port.

WINDAX can store up to 100 measurements including time and date stamp in its internal memory. This data can also be transferred to PC using the Windax software and serial port. The Windax software is user friendly and is used for controlling the test instrument, data analysis and reporting.

Technical Specification

Physical

Input Voltage	110 - 240V AC, 50/60 Hz
Dimensions	198 x 255 x 380 / 7.8 x 10 x 15 (mm/in)
Weight	7,5 kg / 17 lb

Output

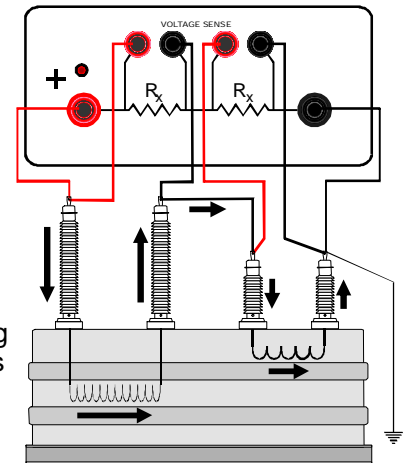
Test current	5mA - 25A DC
Measuring range	1 $\mu\Omega$ - 999 $\mu\Omega$ / 1 $\mu\Omega$
/Resolution	1m Ω - 9,99m Ω / 10 $\mu\Omega$
	10m Ω - 99,9m Ω / 100 $\mu\Omega$
	100m Ω - 999m Ω / 1m Ω
	1,00 Ω - 9,99 Ω / 10m Ω
	10,0 Ω - 99,9 Ω / 0,1 Ω
	100 Ω - 999 Ω / 1 Ω
	1000 Ω - 2000 Ω / 10 Ω
Typical accuracy	$\pm 0,25\%$ + $\pm 0,25\%$ FS
Output power	1000W at 230/115V Mains Supply

This light weight and powerful test tool makes this potentially cumbersome test easy, reliable and safe.

WINDAX filters electrostatic and electromagnetic interference in high HV electric fields providing reliable test results for maintenance and commissioning tests in the following application areas:

- * Transformers
- * Generators
- * Electrical motors
- * Cable splices
- * Bus bar joints
- * Welding joints

The hook-up is easy and the two channel technology makes it possible to perform individual winding resistance measurements on both the high and low winding in one test sequence.



Environmental

Operating temp	-10°C - +50°C / 14°F - +122°F
Storage	-25°C - +70°C / -13°F - +158°F
Humidity	5 - 95% relative humidity, no condensation

Safety Standards

Euro standards	EN 61010-1
Intl standards	IEC 61010-1, UL 3111-1
	CAN/CSA-C22.2 No 1010.1-9

Electromagnetic Compatibility (EMC)

CE conformity	EMC standard 89/336/EEC
Emission	EN 50081-2, EN 61000-3-2/3
Interference	EN 50082-2

Specifications are subject to change without notice.

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DIAGNOSTICS

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