

QUALITROL-IRIS POWER IS THE WORLD'S LARGEST PROVIDER OF MONITORING AND TESTING EQUIPMENT FOR MOTOR AND GENERATOR WINDINGS



Iris Power WTD-501™ Wedge Tightness Detector

The Iris Power WTD-501™ instrument allows maintenance personnel to easily and effectively assess the tightness of stator wedges in motors or generators. Electronic measurement and storage enables easy and accurate trending of wedge tightness data from test to test.

Stator wedges are traditionally tested for tightness by tapping them with a hammer and listening to the sound produced. This method is slow and prone to inconsistency. Electronic wedge tightness evaluation is faster, more accurate and provides more consistent results. The Iris Power WTD-501 instrument can be used to test most types of generator and motor stator slot wedges, including those with ripple springs.

A hand-held probe automatically taps and measures each wedge approximately 30 times in three seconds. An accelerometer gathers the data and transmits it to the Iris Power WTD-501 instrument. Results are presented on a computer in the form of numeric values and a color-coded tightness map.

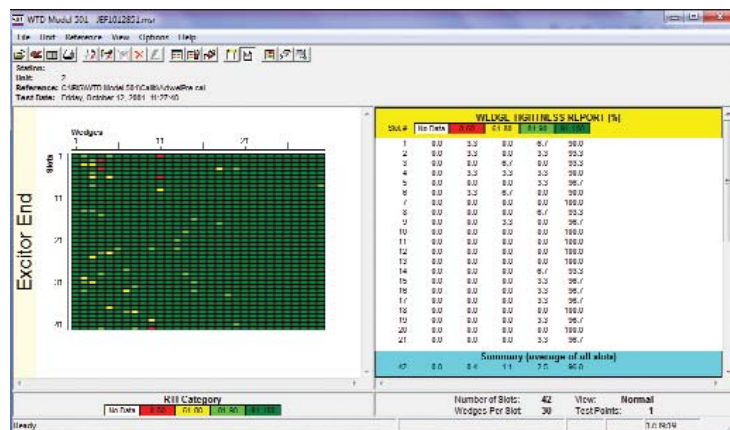


A MODERN AND OBJECTIVE TEST OF STATOR CORE WEDGES

- Make sound maintenance decisions based upon reliable and consistent WTD data
- Use for all rotating machinery, including wedging systems with ripple springs
- Repeatable, objective, numeric test data removes subjectivity of hand tapping methods
- Fast, easy wedge tightness testing and analysis
- Permanent record of test data
- Easy report generation

THE ADVANCED WAY TO TEST WEDGE TIGHTNESS

The color-coded map makes it easy to identify suspect areas. Details are provided in a numeric tightness report. Operator may choose up to five ranking categories to classify wedge tightness.



IRIS POWER WTD-501™

FEATURES

- Great flexibility in test set-up
- Three different calibration modes
- In-depth analyzing capabilities
- Printing of results
- Ability to export test data to spreadsheets, databases, or word processors

ORDER

Part Nr.	Description
WT501	Wedge Tightness Detector WTD-501. Includes: software, manual probe, electronics unit, leads, calibration block, manual and carrying case.
WT525	WTD RIV Probe Module

For other options, contact your sales representative

SPECIFICATIONS

Power Supply	90-132/180-264V, 50/60Hz
Hand-held Probe Dimensions	Width - 25mm (1") Height - 160mm (61/4") Length - 145mm (53/4")
Minimum Wedge Width	10mm (0.4")
Minimum Wedge Length	50mm (2.0")
Slot Depth Adjustment	0mm - 20mm (10mm - 25mm wide) 0mm - 60mm (>25mm wide)
Connection Cable Length	15m (50')
Analyzer Dimensions	33 x 16 x 37cm (13" x 6" x 14 1/2")
Calibration Board Dimensions	10 x 25 x 150cm (4" x 1" x 6")
Carrying Case Dimensions	60 x 50 x 20cm (26" x 19 1/2" x 8")
Weight (Entire Kit)	25 kg (55 lb.)
Operating Temperature	+10° to +40°C (+50° to +104°F)
Approvals	CE
Min PC Requirements	Pentium II, 256MB, CD ROM, Windows 2000 or later

Specifications are subject to change without notice

KIT CONTENTS

- Hand-held Probe
- 3", 6" and 9" extension bars
- Control Unit
- Software
 - Operating
 - Data Processing
 - Analysis
- Calibration Board
- Connection Cables
- 3mm Allen Key
- Operating Manual
- Rugged Carrying Case



This product incorporates technology developed for the United States Electric Power Research Institute.

Iris Power WTD-501 is a trademark of Qualitrol-Iris Power.

QUALITROL-IRIS POWER HAS BEEN THE WORLD LEADER IN MOTOR AND GENERATOR WINDING DIAGNOSTICS SINCE 1990, PROVIDING A FULL LINE OF ON-LINE AND OFF-LINE TOOLS, AS WELL AS COMMISSIONING AND CONSULTING SERVICES.



A QUALITROL Company

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Defining Reliability

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