ADWEL INTERNATIONAL LTD.

WEDGE TIGHTNESS DETECTOR

A Modern and Objective Test of Stator Core Wedges

Model WTD-501

- *Make sound maintenance decisions based upon reliable and consistent WTD data*
- *Use for all rotating machinery, including 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*

Description

The WTD-501 allows maintenance personnel to easily and effectively assess the tightness of wedges. 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 discrepancies. Electronic wedge tightness evaluation is faster, more accurate and provides more consistent results. The WTD-501 can be used to test all types of generator and motor stator 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 WTD-501. Results are presented on a PC in the form of numeric values and a color-coded tightness map.

WEDGE TIGHTNESS DETECTOR

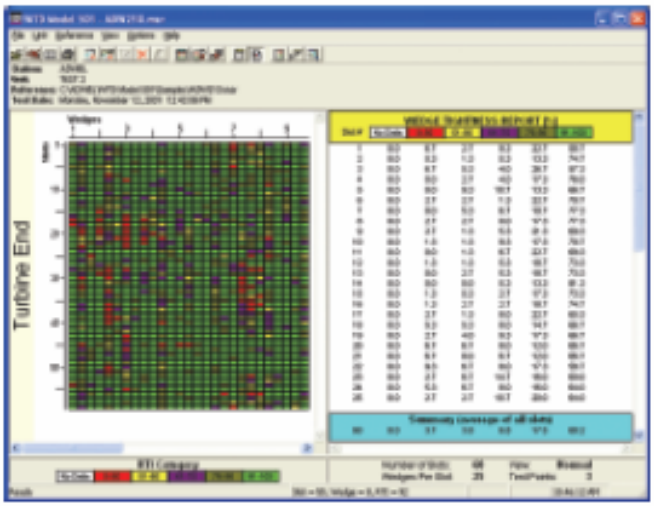
Features

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

WTD-501 kit

The Modern 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 categories to classify wedge tightness.



Specifications*

Power Supply	90-132/180-264V, 50/60Hz
Hand-held Probe Dimensions	Width - 25mm (1")
	Height - 160mm (6¼")
	Length - 145mm (5¾")
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 14½")
Calibration Board Dimensions	10 x 25 x 150cm (4" x 1" x 6")
Carrying Case Dimensions	60 x 50 x 20cm (26" x 19½" 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

This product incorporates technology developed for the United States Electric Power Industry under the sponsorship of EPRI, the Electric Power Research Institute.

*Specifications are subject to change without notice.

Represented by:

Powertest Asia Pvt. Ltd.
26, Vikaspuri, S.R. Nagar (Post), Hyderabad - 500 038, AP, INDIA
Tel. : + 91-40-2371 3343 / 2371 7752 Fax: + 91-40-2371 3623
E-mail : info@powertestasia.com Website : www.powertestasia.com

Model WTD-501

Kit Contents

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

Other ADWEL Testing Products

- EL CID, PDA Premium and COPA, STB-3, Couplers, Corona Probe and Ramp Tester.