



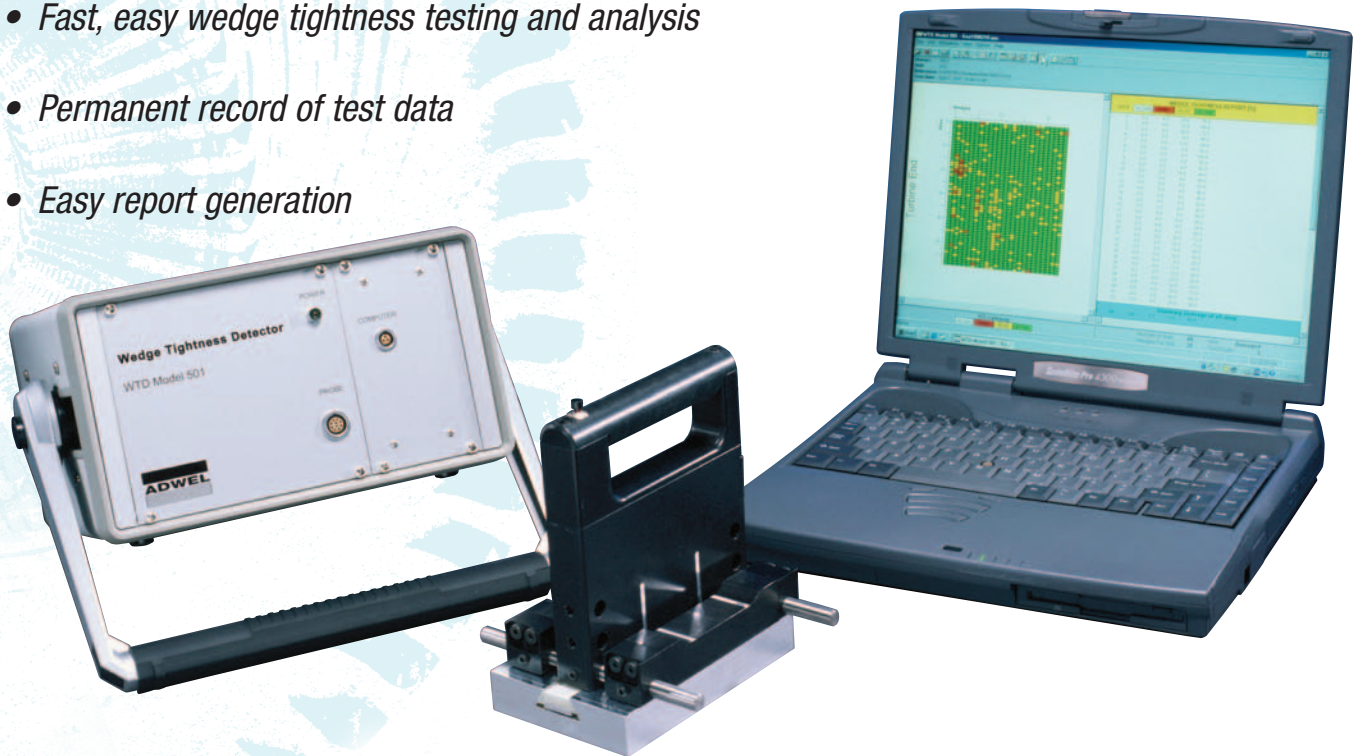
ADWEL INTERNATIONAL LTD.

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

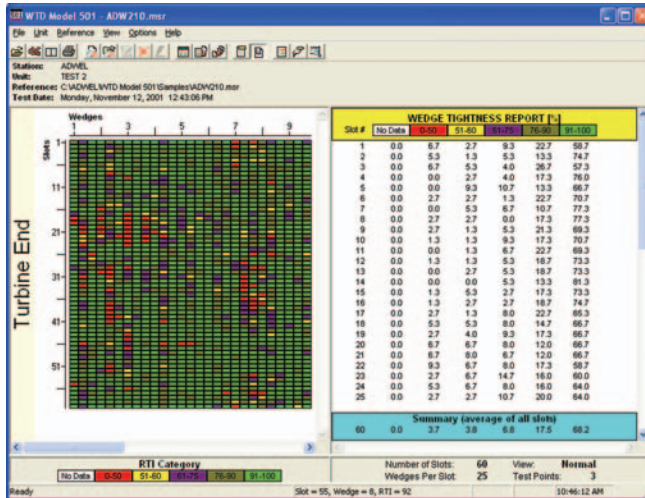
- Feature-packed software
- Three different calibration modes
- Printing of results
- Great flexibility in test set-up
- In-depth analyzing capabilities
- Ability to export test data to spreadsheets, databases or word processors

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.



WTD-501 kit



Specifications*

| | |
|-------------------------------------|---|
| Power Supply | 90-132/180-264V, 50/60Hz |
| Hand-held Probe Dimensions | Width - 25mm (1") Height - 160mm (6 1/4") Length - 145mm (5 3/4") |
| 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 |

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:

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.



ISO 9001: 2000 CERTIFIED

HEAD OFFICE

ADWEL INTERNATIONAL LTD.
50 Ironside Crescent, Unit 6
Toronto, Ontario,
Canada M1X 1G4
Telephone: +1 (416) 321-1988
Toll Free: (800) 463-9371
Fax: +1 (416) 321-1991
info@adwel.com

EUROPEAN OFFICE

ADWEL INTERNATIONAL LTD.
Park House, Greenhill Crescent
Watford Business Park
Watford, Herts WD18 8PH
United Kingdom
Telephone: +44-1923-254433
Fax: +44-1923-218278
info@adwel.co.uk

www.adwel.com