

WRT-10D™

Winding Resistance Tester

The WRT-10D™ is a versatile and user-oriented winding resistance tester designed to quickly test power transformers or large motors. Its OLTC support and analysis tool, stabilization indicator, dual reading channels, built-in printer and report generation software makes the WRT a comprehensive and complete solution for your applications.

Highlights

- Winding DC Resistance Measurement
- Automatic, Manual, Heat Run Test & Demagnetization Modes
- On Load Tap Changer Control and Analysis
- Large Internal Memory
- Full Keypad and Large Display
- Built in Thermal Printer
- Laboratory & Field Applications
- Included Report Manager™ PC Software



Winding Resistance Testing

- Winding testing has never been so easy. The WRT™ series are well-thought out and high precision manufactured instrument
- Finally able to match field results with those of manufactures
- Enhanced ease-of-use design. User manual will seem optional
- The WRT's highly filtered current source allows for quick measurement stabilization for power transformers up to 800MVA

Free interactive presentation:



[Click here to schedule](#)



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Technologies

Technical Specifications

Power input	90 to 132 VAC 50/60 Hz 198 to 256 VAC 50/60 Hz, 550 VA max
Fuse rating	5 A 250 VAC, Type T
Test current	0.01, 0.1, 1 & 10A DC
Test voltage	30 V DC
Resistance measurements	2 auto-ranging channels
Resistance range	0.1 $\mu\Omega$ to 2000 Ω
Protection	<ul style="list-style-type: none"> Against overvoltage transients and substation noise Audible warning during testing and discharging Emergency off button
Crowbar circuit	Activates when an inductive kick-back of 30ms or greater is detected
Accuracy	$\pm 0.1\%$ reading $\pm 0.025\%$ Full scale
Measuring ranges	<p>10A Range 1 : 0.1 $\mu\Omega$ to 1.9999 mΩ Range 2 : 1.0 $\mu\Omega$ to 19.999 mΩ Range 3 : 10 $\mu\Omega$ to 199.99 mΩ Range 4 : 0.1 mΩ to 1.9999 Ω</p> <p>1A Range 1 : 1.0 $\mu\Omega$ to 19.999 mΩ Range 2 : 10 $\mu\Omega$ to 199.99 mΩ Range 3 : 0.1 mΩ to 1.9999 Ω Range 4 : 1.0 mΩ to 19.999 Ω</p> <p>0.1A Range 1 : 10 $\mu\Omega$ to 199.99 mΩ Range 2 : 0.1 mΩ to 1.9999 Ω Range 3 : 1.0 mΩ to 19.999 Ω Range 4 : 10 mΩ to 199.99 Ω</p> <p>0.01A Range 1 : 0.1 mΩ to 1.9999 Ω Range 2 : 1.0 mΩ to 19.999 Ω Range 3 : 10 mΩ to 199.99 Ω Range 4 : 0.1 Ω to 1999.9 Ω</p>
Resolution	4 1/2 digits
Weight / Dimensions	56x45.5x26.5 cm (22.06x17.93x10.43 in) 17.2 kg (38 lbs)
Environmental	<ul style="list-style-type: none"> Operating temperature: -10°C to 50°C Storage temperature: -20°C to 80°C Relative humidity: 0-90%, non-condensing
Display	120 mm x 90 mm bright LCD display visible in bright
Memory	At least 100 files with at least 120 measurements
Printer	Built-in, 40-character wide printer
PC connection	USB port or RS-232
Approvals	CE compliance: EN61010, EN61326



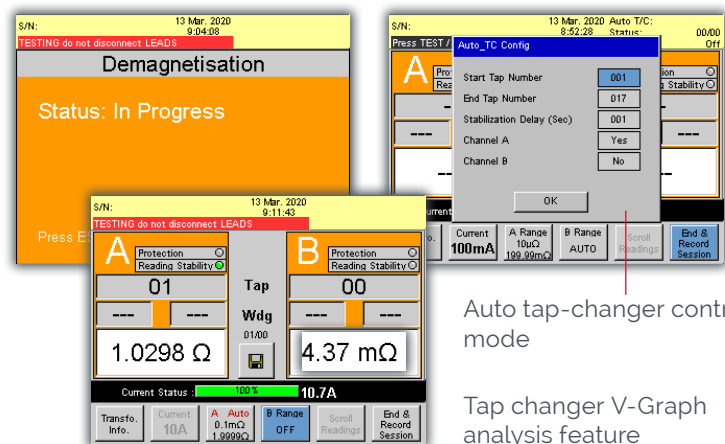
Flexible Data Management

The included Report Manager™ software allows for test report generation, data backup, tap changer analysis, annotations and more. Raw data is available for database import requirements.



Fully Equipped Interface

With the help of its smart knob, large high contrast color display, intuitive menus, function buttons, full keypad, thermal printer and communication ports, the WRT-10D™ offers a complete and easy to use interface with very little learning curve.



Auto tap-changer control mode

Tap changer V-Graph analysis feature

