

The image shows a large industrial transformer in an outdoor setting. The transformer has a large cylindrical top section and several vertical cooling fins. In the foreground, a yellow Raytech WR50 (50A) winding resistance measurement device is shown in its open carrying case. The device has a digital display and various control buttons. The background features a clear blue sky and some greenery.

WR50 (50A)
For Winding
Resistance
measurements

2 or 3 measuring channels. Heavy duty protection circuitry. Fastest discharge unit on market. 3 temperature channels. Built in panel printer. Internal «Heat run test» software available. USB interfaces. Simple color touch screen operation. High power DC supply 50A/50V. Fully automatic demagnetizing circuit.

Resistance range	0.00 $\mu\Omega$ to 100 k Ω
Accuracy	$\pm 0.1\%$ Rdg
Resolution	0.05 $\mu\Omega$
Current range	25 mA...50 A/50 V DC
Inductance range	0 ...1500 Henry
Operating range	-10°C to 60°C
Input power	90 to 264 VAC 47...63 Hz



Measurement Parameters

Current Range	Measuring Range	Accuracy	Resolution
30 - 50 A	0.00 $\mu\Omega$... 1.3 Ω	$\pm 0.1\%$ Rdg $\pm 0.05 \mu\Omega$	5 Digits or 0.05 $\mu\Omega$
15 - 30 A	0.0 $\mu\Omega$... 3.3 Ω	$\pm 0.1\%$ Rdg $\pm 0.1 \mu\Omega$	5 Digits or 0.1 $\mu\Omega$
8 - 15 A	0.0000 m Ω ... 6.3 Ω	$\pm 0.1\%$ Rdg $\pm 0.2 \mu\Omega$	5 Digits or 0.2 $\mu\Omega$
3 - 8 A	0.0000 m Ω ... 16.7 Ω	$\pm 0.1\%$ Rdg $\pm 0.5 \mu\Omega$	5 Digits or 0.5 $\mu\Omega$
1 - 3 A	0.000 m Ω ... 47.2 Ω	$\pm 0.1\%$ Rdg $\pm 1 \mu\Omega$	5 Digits or 1 $\mu\Omega$
0.7 - 1 A	0.000 m Ω ... 71.4 Ω	$\pm 0.1\%$ Rdg $\pm 2 \mu\Omega$	5 Digits or 2 $\mu\Omega$
0.3 - 0.7 A	0.000 m Ω ... 167 Ω	$\pm 0.1\%$ Rdg $\pm 5 \mu\Omega$	5 Digits or 5 $\mu\Omega$
0.1 - 0.3 A	0.00 m Ω ... 500 Ω	$\pm 0.1\%$ Rdg $\pm 10 \mu\Omega$	5 Digits or 10 $\mu\Omega$
25 - 100 mA	0.00 m Ω ... 2 k Ω	$\pm 0.1\%$ Rdg $\pm 20 \mu\Omega$	5 Digits or 20 $\mu\Omega$
- 25 mA	2 k Ω ... 10 k Ω	$\pm 0.2\%$ Rdg $\pm 200 m\Omega$	5 Digits or 200 m Ω
- 25 mA	10 k Ω ... 100 k Ω	$\pm 0.8\%$ Rdg $\pm 20 \Omega$	4 Digits or 20 Ω

Accessories

- Current and potential lead set 10 meters
- Jumper cable 10 meters
- Instruction manual
- T-Base Pro Software for Data Exchange and Analysis

Specifications

Model with 2 channels

WR50-12 and
WR50-12R (rackmount version)

Model with 3 channels

WR50-13 and
WR50-13R (rackmount version)

Size (field case)

L: 521 mm (20.5")
W: 432 mm (17")
H: 216 mm (8.5")

Weight

16.6 kg (36.6 lbs.)

Interfaces

USB 2.0 full speed (1 host, 1 device)
and 9 Pin RS232 serial

Memory Storage

Internally stores more than 10 000 test results

Panel Display

5.7" Color LCD with LED back lighting
and touch screen

Front Panel

Sealed, Anodized

Options

- WRO 102
10 meters cable extension set
- TP01
External temperature probe
- AHRT01
"Heat run test" software



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Specifications are subject to change without notice.

