

The image shows a large industrial facility with a high ceiling and corrugated metal walls. In the center, a tall, white, cylindrical device is mounted on a metal frame. It has a black vertical shaft extending upwards to a spherical, metallic, multi-faceted top. To the right, a large, white, rectangular cabinet is visible, featuring a grid of circular fans on its front panel. In the foreground, a smaller, white control cabinet with a screen and buttons is shown. The overall scene is brightly lit, suggesting an indoor industrial environment.

**WR100** (100A)  
For Winding  
Resistance  
measurements

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2 or 3 measuring channels. Fastest discharge unit on market.  
3 temperature channels. Heavy duty protection circuitry. Demagnetisation circuit. Internal «Heat run test» software available. USB interfaces. Color touch screen.

Resistance range	0.00 $\mu\Omega$ to 100 k $\Omega$
Accuracy	$\pm 0.1\%$ Rdg
Resolution	5 Digits or 0.05 $\mu\Omega$
Current range	25 mA ... 100A/50V DC
Inductance range	up to 1500 Henry
Operating range	-10°C to 60°C
Weight	21.9 kg (48.3 lbs.)
Input power	90 to 264 VAC (3 kW max.) 47... 63 Hz



## Measurement Parameters

Current Range	Measuring Range	Accuracy	Resolution
30 – 100 A	0.00 $\mu\Omega$ ... 1.7 $\Omega$	$\pm 0.1\%$ Rdg $\pm 0.05 \mu\Omega$	5 Digits or 0.05 $\mu\Omega$
15 – 30 A	0.0 $\mu\Omega$ ... 3.3 $\Omega$	$\pm 0.1\%$ Rdg $\pm 0.1 \mu\Omega$	5 Digits or 0.1 $\mu\Omega$
8 – 15 A	0.0000 m $\Omega$ ... 6.3 $\Omega$	$\pm 0.1\%$ Rdg $\pm 0.2 \mu\Omega$	5 Digits or 0.2 $\mu\Omega$
3 – 8 A	0.0000 m $\Omega$ ... 16.7 $\Omega$	$\pm 0.1\%$ Rdg $\pm 0.5 \mu\Omega$	5 Digits or 0.5 $\mu\Omega$
1 – 3 A	0.000 m $\Omega$ ... 47.2 $\Omega$	$\pm 0.1\%$ Rdg $\pm 1 \mu\Omega$	5 Digits or 1 $\mu\Omega$
0.7 – 1 A	0.000 m $\Omega$ ... 71.4 $\Omega$	$\pm 0.1\%$ Rdg $\pm 2 \mu\Omega$	5 Digits or 2 $\mu\Omega$
0.3 – 0.7 A	0.000 m $\Omega$ ... 167 $\Omega$	$\pm 0.1\%$ Rdg $\pm 5 \mu\Omega$	5 Digits or 5 $\mu\Omega$
0.1 – 0.3 A	0.00 m $\Omega$ ... 500 $\Omega$	$\pm 0.1\%$ Rdg $\pm 10 \mu\Omega$	5 Digits or 10 $\mu\Omega$
25 – 100mA	0.00 m $\Omega$ ... 2 k $\Omega$	$\pm 0.1\%$ Rdg $\pm 20 \mu\Omega$	5 Digits or 20 $\mu\Omega$
– 25mA	2 k $\Omega$ ... 10 k $\Omega$	$\pm 0.2\%$ Rdg $\pm 200 m\Omega$	5 Digits or 200 m $\Omega$
– 25mA	10 k $\Omega$ ... 100 k $\Omega$	$\pm 0.8\%$ Rdg $\pm 20 \Omega$	4 Digits or 20 $\Omega$

## Accessories

- Current cables 2 x 10 meters
- Potential cables CH1 2 x 10 meters
- Potential cables CH2 2 x 10 meters
- Jumper cable 10 meters
- Instruction manual
- T-Base Pro software for data exchange and analysis

## Specifications

**Model with 2 channels**  
WR100-12R (rackmount unit)

**Model with 3 channels**  
WR100-13R (rackmount unit)

**Size (field case)**  
L: 490 mm (19.3")  
W: 436 mm (17.2")  
H: 310 mm (12.2")

**Weight**  
21.9 kg (48.3 lbs.)

**Interface**  
4 USB 2.0 full speed (3 host, 1 device)  
and 9 Pin RS232 serial

**Memory Storage**  
Internally stores up to 10 000 test results

**Panel Display**  
5.7" Color LCD with LED back lighting  
and touch screen

**Front Panel**  
Sealed, Anodized

## Options

- WRO 112  
10m cable extension set
- TP 01  
External temperature probe
- TP 03  
External temperature probes
- Extension for T-Base Pro software  
Remote Control  
Fully automatic test sequences
- AHRT 01  
Automatic heat run test software
- MUX R Multiplexer

