



**TRANSFORMING TECHNOLOGIES**  
*OUTSTANDING ALTERNATIVES IN STATIC CONTROL*

**Ohm Metrics™**

**ESD Wrist Strap Tester**  
**Model WST200**



**Instruction Manual**

# Description

## WST 200 Wrist Strap Tester

The WST 200 tester quickly and accurately measures the resistance between an operator, wrist strap and ground cord. With a test voltage of 9 volts DC, the unit is specially designed to test without harm to the operator. The WST 200 verifies ESD protection by indicating three levels of resistance: "HI", "LO" and "OK" with LED lights and an audible alarm.

*Ohm Metrics* test and measurement products, from Transforming Technologies, are useful, reliable tools for characterizing and identifying the electrical resistance of materials and the performance of personal grounding products.

- All Ohm Metrics products are designed to support ESDA Compliance Verification TR53.
- All Ohm Metrics products can be calibrated.
- All Ohm Metrics test and measurement products are warranted for 1 full year.

## Operation

### Battery Installation

Remove screws from back cover using a Phillips style screw driver and detach from monitor. Insert the included 9 volt battery, replace back cover and secure with screws.

## Testing

1. While wearing a wrist strap, plug the banana plug of the cord into the jack located on the front of monitor.
2. Lightly press the metal touch button marked "PUSH ON"
3. Green "OK" LED indicates wrist strap and ground cord assemblies are functioning properly.
4. If either Red "FAIL LO" or Yellow "FAIL HI" LED's light and the audible indicator sound, the operator should check the wrist strap assembly immediately.

## Calibration

Calibration is performed to ensure that the tester is operating within limits. Test parameters are factory set to pass 800K-10M, but it's adjustable to match your own specifications.

## Specifications

### Product Number

WST200

Wrist Strap Tester

### Specifications:

Dimensions/Weight

3.5" H x 2.75" W x 1.25" D

5.4 oz

Test Voltage

Regulated 9volts DC

Temperature:

Operating: 10C to 40C

Storage: -15C to +60C

Relative Humidity

0%to 90% (non- condensing)

Accuracy

$\pm 5\%$

Operating Voltage

$\geq 6.5$  volts to  $< 9$  volts

Low battery set at 6.5 volts

### Alarm Indications

<u>Level</u>	<u>Display</u>	<u>Resistance</u>	<u>Alarm</u>
OK	GREEN	$> 800K$	No
LO	RED	$< 800K$	Yes
HI	RED	$> 10M$	Yes

# Service and Warranty

Transforming Technologies, LLC provides a limited warranty for the Model WST200. All new products are guaranteed to be free from defects in material and workmanship for a period of one (1) year from the date of shipment. Liability is limited to servicing (after evaluating, repairing or replacing) any product returned to Transforming Technologies. The company does not warrant damage due to misuse, neglect, alteration or accident. In no event shall Transforming Technologies be liable for collateral or consequential damages.

To receive service under warranty, please contact Transforming Technologies Technical Support.

## About Transforming Technologies

Since 1998, Transforming Technologies has helped electronic manufacturing facilities to protect their products and processes from the many serious problems associated with static electricity.

Transforming Technologies offers a wide range of unique and outstanding products to detect, protect, eliminate and monitor electrostatic charges. Our products are integral components of an effective static control program.



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