

Warmbier Test Equipment WT5000 Walking Test Kit

Easily Test Voltage Generated by Walking to Evaluate an ESD Flooring and Footwear System

The WT5000 Walking Test Kit has been designed to perform a body voltage measurement of floor materials and footwear in combination with a person according to IEC 61340-4-5. This test will evaluate the effectiveness of a ESD floor / footwear system as a primary means for grounding personnel.

Real Time Results, Data Storage and Graphing

The WT5000 displays real time body voltage generated on a person via a computer in easy to understand graphs. The measurement data rolls continuously on the screen during the measurement and the last 200 seconds of the measurement can be exported to a graphic file. Easily calculate the 5 highest peaks or 5 highest valleys or use a the curser to set a new calculation point.

For a quick evaluation of the floor/footwear system the WT5000 can be used as a "stand alone" instrument. The body voltage is displayed on the front panel LED's of the WT5000 and a computer is not necessary.

Applications:

The WT5000 evaluates ESD flooring and footwear as a means of grounding personnel. This evaluation is required by the ANSI ESD20.20 standards and is very important if flooring is the primary means of grounding.

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.



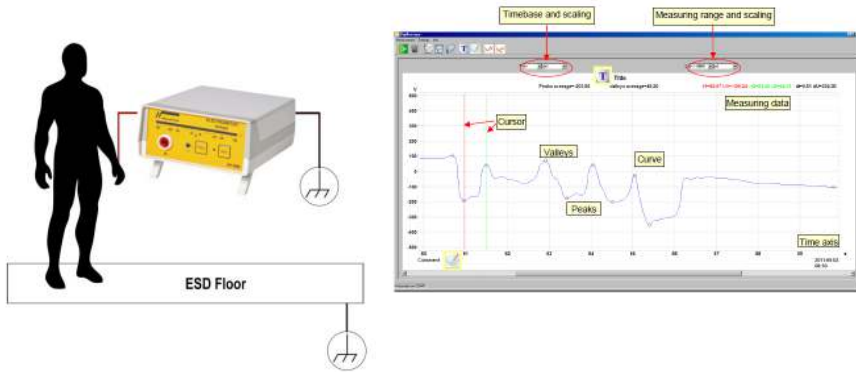
Features

- Evaluate ESD Footwear/Floors as a Grounding Method
- View Real Time Measurements and Store Data via a Computer
- Easy to Use Analysis Software to Zoom, Measure, Print and Export



WT5000 Walking Test Kit

The WT5000 allows for data acquisition and storage on a computer with Windows operating system.



The Walking Test Kit includes:

- WT5000 - Electrometer for body voltage measurement with a hand-held electrode. It has an adjustable audible alarm signal.
- A/D-Converter with software
- Handheld electrode.
- Connecting cables,
- Conductive carrying case,
- Owners's manual
- calibration certificate



Model WT5000 Specifications

Electrometer	
Dimensions:	190 x 148 x 67 mm (L x W x H)
Weight:	ca. 500g
Input voltage:	$\pm 500V / \pm 5000V$
Input impedance:	$> 1014 \Omega$
Input capacity:	$< 5 \text{ pF}$
Response time:	$\leq 10 \text{ ms}$
Output:	Analog $\pm 5V$
Display:	21-digit logarithmic LED display with "Peak Hold"
Power supply:	4 pcs. NiMH rechargeable batteries (AA)
Operating time:	4 to 6 hours
Charger:	7,5V DC, 300 mA
Ranges:	$\pm 500V, \pm 5000V$
Accuracy:	$< 5\%$
Battery monitoring:	audible
A/D-Wandler	
Input impedance:	1 MW
Interface:	Parallel printer port, (USB with optional adapter)
Input voltage:	$\pm 5V \text{ DC}$
Resolution:	12 Bit
Max. sampling rate:	15 kHz
Power supply:	via printer port

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.