

# **Walking Test Kit - WT5000**

(Part No.: 7100.WT5000.B )

## **Application**

For the protection of Electrostatic discharge sensitive items conductive or dissipative floors in combination with static dissipative footwear are widely used. The floor resistance to ground is measured according to IEC 61340-4-1 and the shoe resistance through the wearer to a metal plate is measured according to IEC 61340-5-1. Both methods will not give any information about the voltage on a person walking on an ESD protective flooring system, while wearing dissipative shoes.

The 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 performance of the flooring / footwear system. This test is of special importance, mainly when the flooring / footwear system is used as a primary means for grounding personnel.

## **The Walking Test Kit includes:**

### **1. WT5000 - Electrometer**

for body voltage measurement with a handheld electrode. It has an adjustable audible alarm signal and the following parameters:

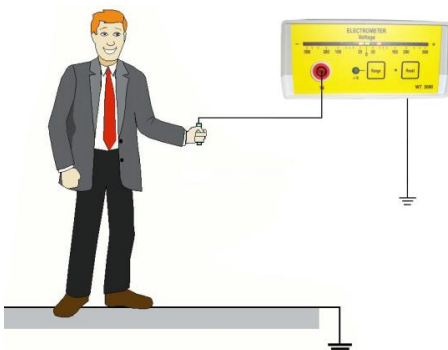
- Test range:  $\pm 5000$  volts
- Accuracy: 5%
- Input impedance:  $> 10^{14} \Omega$
- Input capacity:  $< 5$  pF
- Response time:  $\leq 10$  ms
- Display: Logarithmic LED-display  $\pm 500$  V, changeable to  $\pm 5000$  V with Peak Hold function
- Output: Analog  $\pm 5$  V DC for each range
- Power supply: Rechargeable batteries

**Complies with IEC 61340-4-5**



For a quick evaluation of the flooring/footwear system the WT5000 can be used as a "stand alone" instrument.

## **Walking Test - Body voltage measurement in "stand alone"**



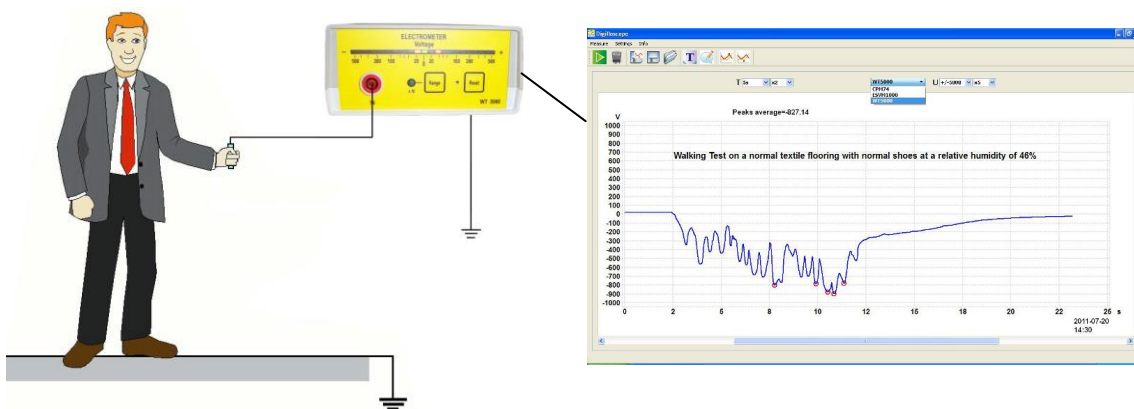
The body voltage is displayed on the front panel LED's of the instrument.  
Peak Hold function is available.



### **2. A/D-Converter:**

- Input impedance: 10M $\Omega$
- Interface: USB 2.0 / USB 1.1
- Input voltage:  $\pm 5V$
- Resolution 12 Bit
- Max. sampling rate 10 kHz
- Software for WINDOWS<sup>®</sup>
- Power supply via USB port

### **Walking Test - Body voltage measurement**



Walking test body voltage displayed on a computer during measurement. Peak values are automatically marked.

### **3. Supplied with**

WT5000 Electrometer, A/D-converter with software Digilloscope, rechargeable batteries, power supply, handheld electrode, connecting cables, conductive carrying case, user's manual, calibration certificate

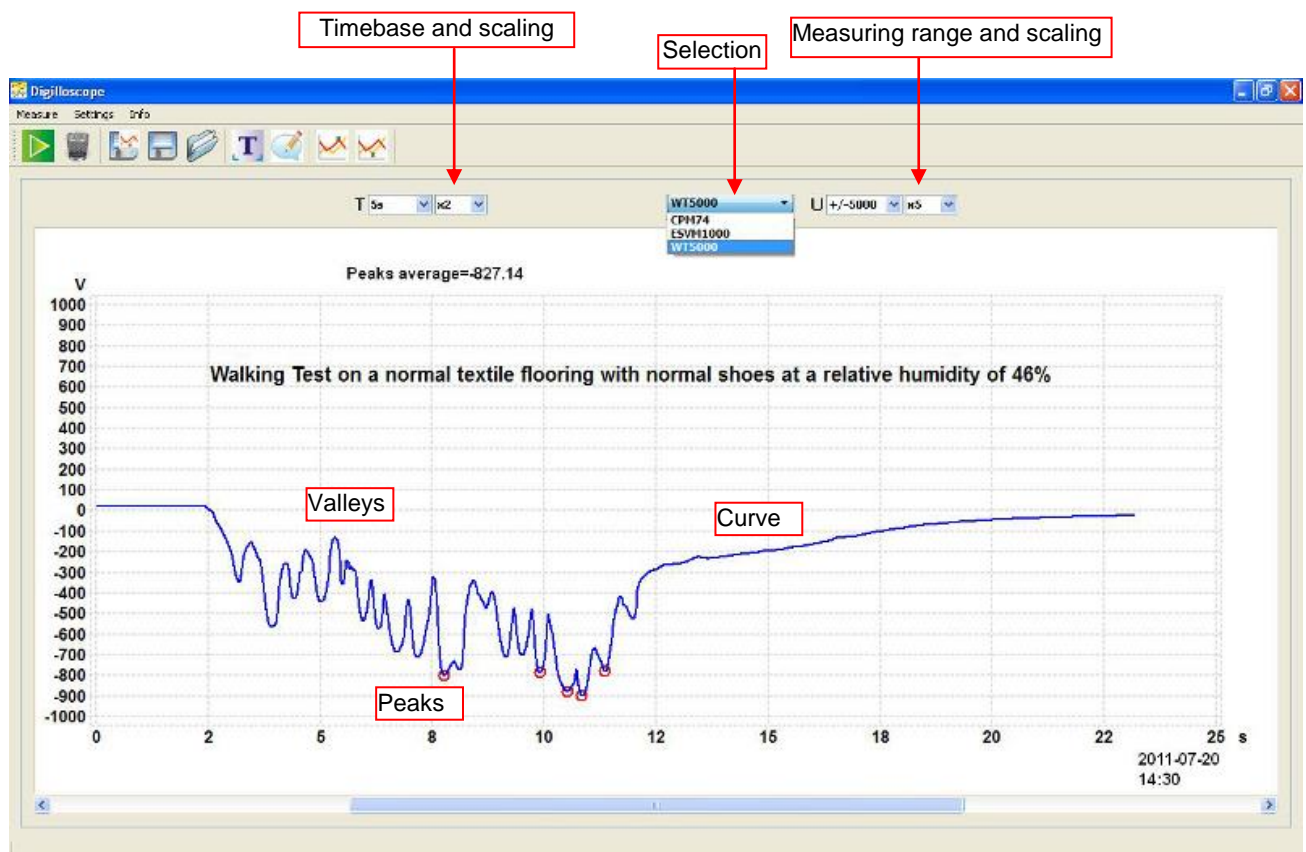


**Walking Test Kit**



#### 4. Software for Windows

- Easy to use analysis software to **save, load, zoom, measure, print and export**



The five highest peaks and the five highest valleys are automatically marked.

- ▶ 1 year limited warranty
- ▶ Recommended calibration interval: 2 years