

## **Walking Test Kit - WT5000**

(Part No.: 7100.WT5000.A )

### ***Application***

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

The Walking Test Kit has been designed to perform a voltage measurement of floor materials and footwear in combination with a person according to EN 61340-4-5. This test will evaluate the performance of the floor / footwear system. This test is of special importance, mainly when the floor / footwear system is used as a primary means for grounding personnel.

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

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

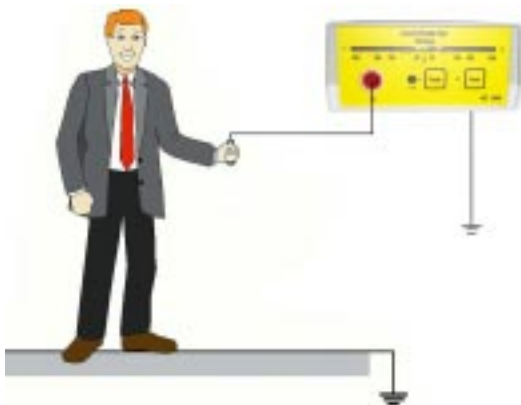
for body voltage measurement with a handheld electrode. It has an adjustable audible alarm signal and the following parameters:

- Test range:  $\pm 5000$  volts
- Accuracy: 5% of measured value
- 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
- Output: Analog  $\pm 5$  V DC for each range
- Power supply: Rechargeable batteries

***Complies with EN 61340-4-5***

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

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

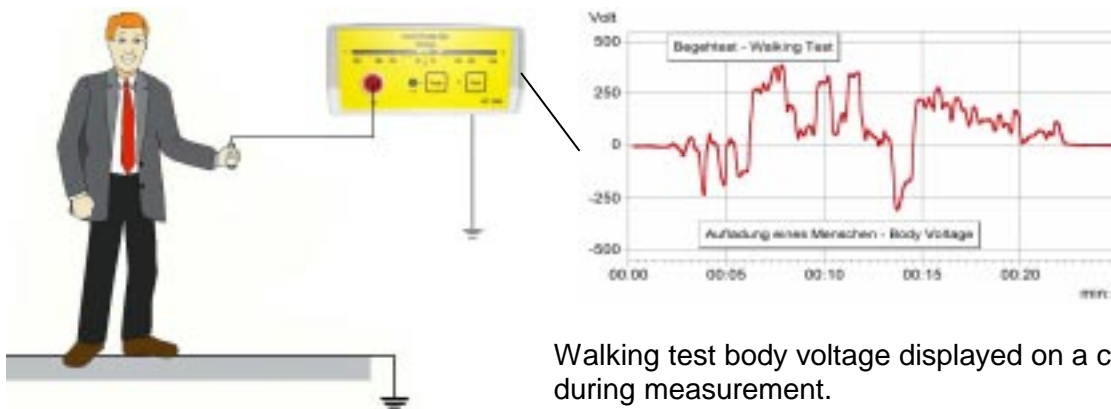


The body voltage is displayed on the front panel LED's of the instrument.  
Peak Hold function is available.

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

- Input impedance: 1M $\Omega$
- Interface: USB 2.0 / USB 1.1
- Input voltage:  $\pm$  20V DC
- Resolution 8 Bit
- Max. sampling rate 10 MHz
- Software for WINDOWS<sup>®</sup> 95/98/NT/2000/XP/Vista
- Power supply via USB port

**Walking Test - Body voltage measurement**



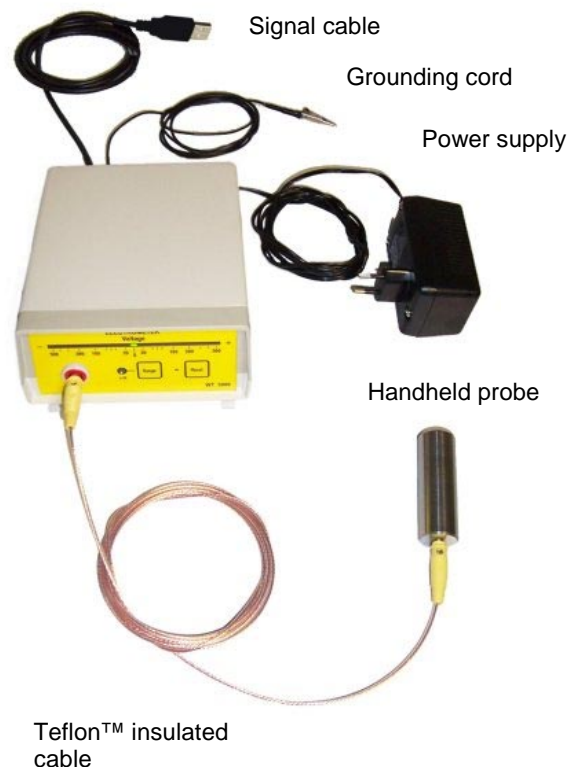
Walking test body voltage displayed on a computer during measurement.

**3. Supplied with**

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

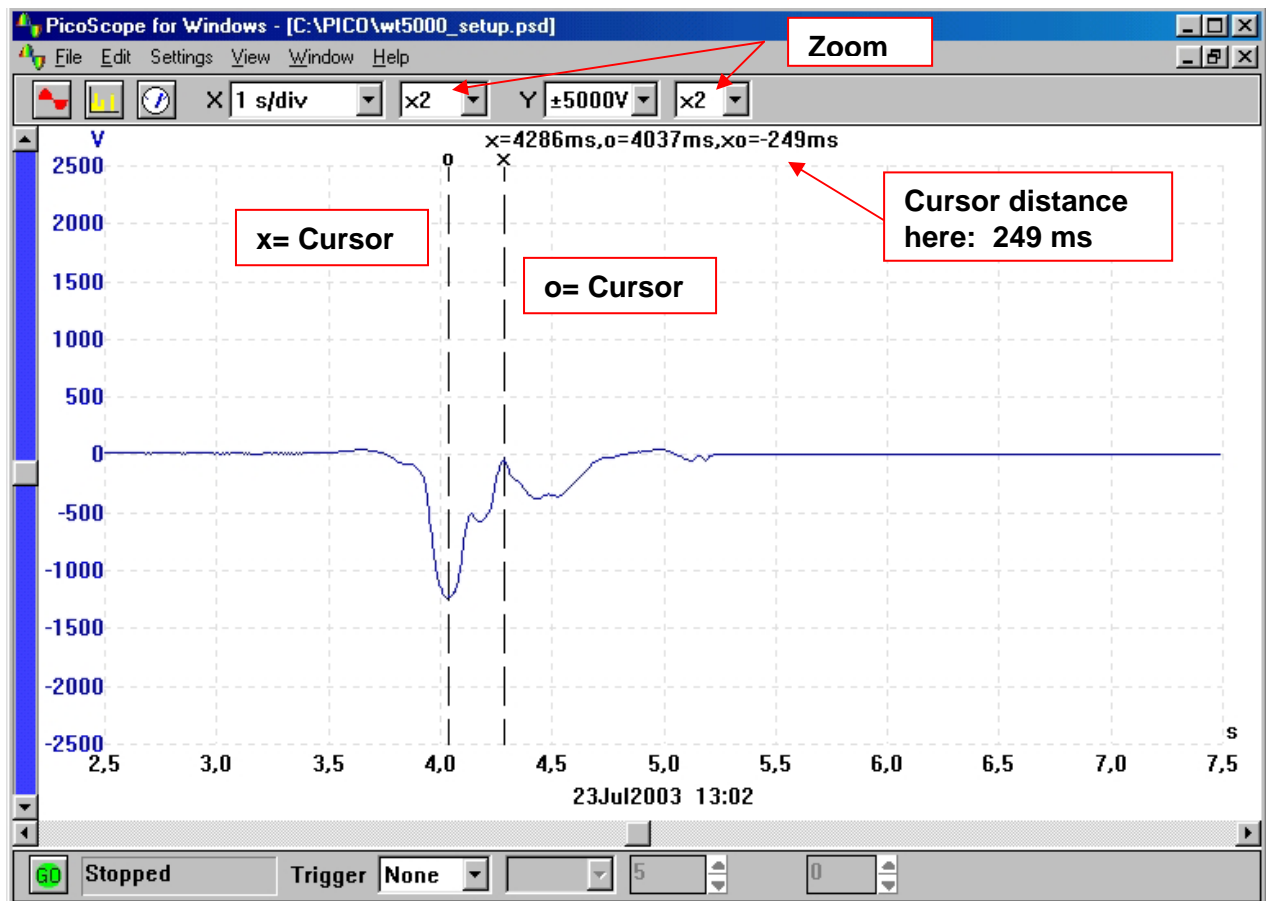


**Walking Test Kit**



**4. Software for Windows**

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



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