

Technical Information

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Part No.: WTK.P

Walking Test Kit - Model P

(Part No.: WTK.P)

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 the IEC 61340-4-1 and the shoe resistance through the wearer is measured according to the 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. This test will evaluate the performance of the floor / footwear system. This test is of primary importance, mainly when the floor / footwear system is used as a primary means for grounding personnel.

The Walking Test Kit includes:

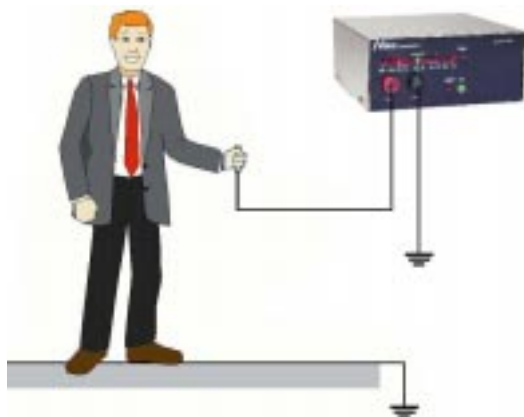
1. Novx5305 Electrometer

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

- Test range: ± 5000 volts
- Accuracy: 5% of measured value
- Input impedance: $> 100 \text{ G}\Omega$
- Display: Logarithmic LED-display $\pm 500\text{V}$, Peak Hold
- Output: Analog $\pm 5\text{V DC}$
- Operation: 230V AC power supply

For a quick evaluation of the floor/footwear system the Novx 5305 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.

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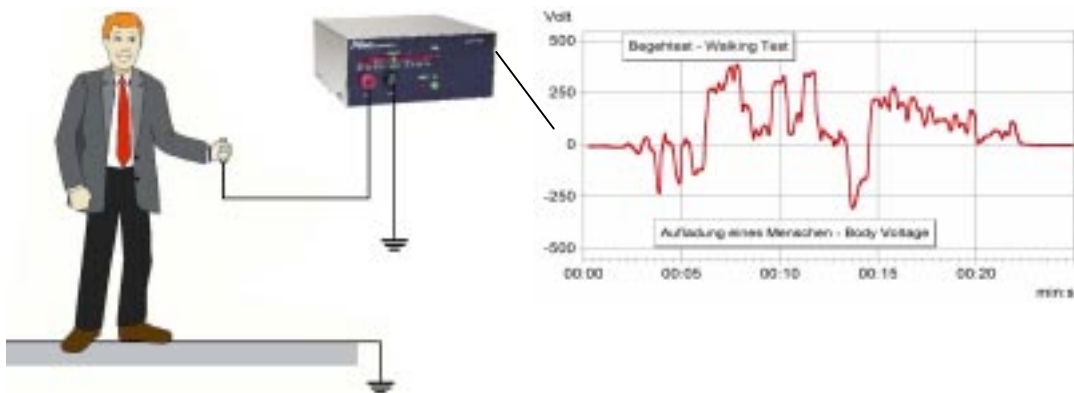
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2. A/D-Converter:

- Input impedance: 1M Ω
- Interface: Parallel printer port
- Input voltage: $\pm 5V$
- Resolution 12 Bit
- Max. sampling rate 15 kHz
- Software for WINDOWS
- Power supply via printer port

Walking Test - Body voltage measurement



Walking test body voltage displayed on a computer during measurement.

3. Handheld probe
4. Connecting cables and plugs
5. Conductive carrying case
6. Operating instructions



Walking Test Kit



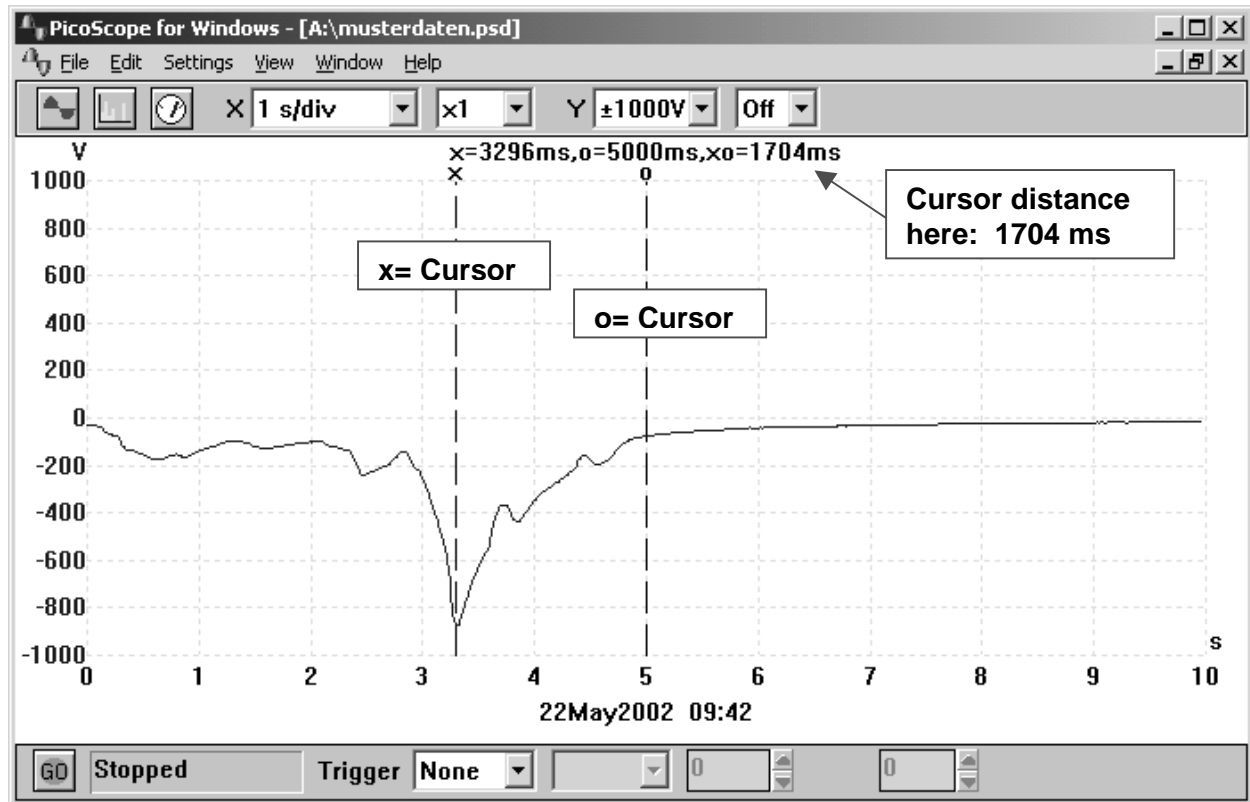
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7. Software for Windows

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



For more information please contact:

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