

Walking Test Kit

Application

The protection of Electrostatic discharge susceptible 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:

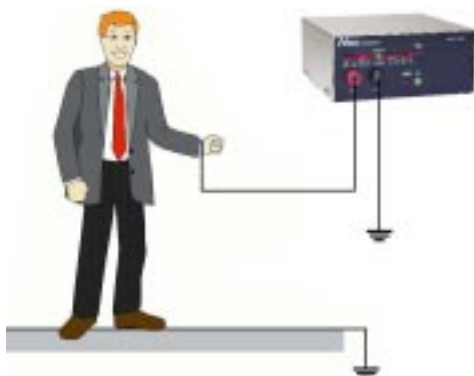
1. Novx5305 Electrometer

for body voltage measurement with a wrist strap. 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, without the data logging feature.

Walking Test - Body voltage measurement without the data logger



The body voltage is displayed on the front panel LED's of the instrument.

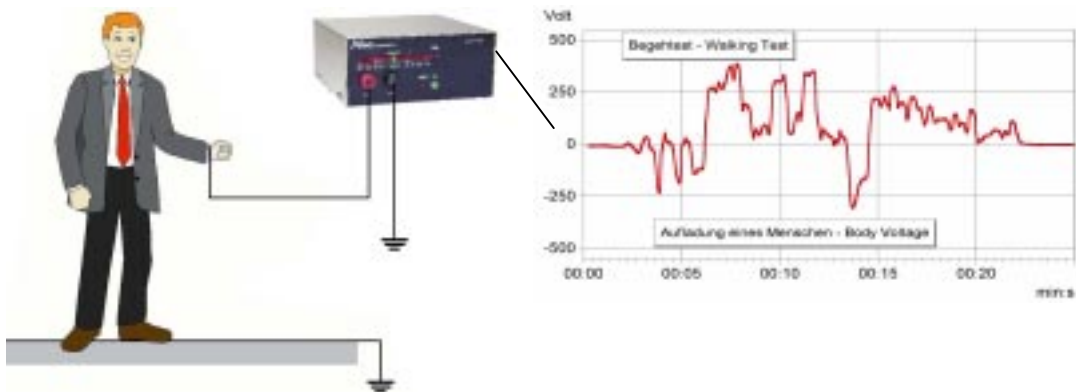
For more information please contact:

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2. Data logger:

- Max. sampling rate 1kHz
- Max. recording time 10 minutes
- Includes software for WINDOWS 95/98/2000
- Battery operated

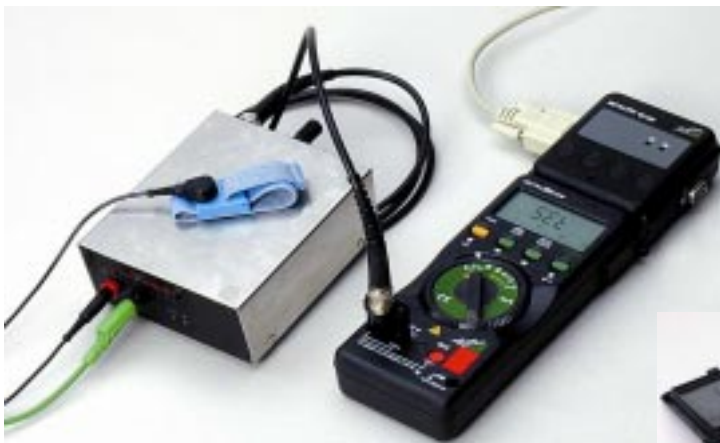
Walking Test - Body voltage measurement



Walking test body voltage displayed on a computer, after the data has been downloaded from the data logger into the computer.

3. Conductive carrying case

4. Operating instructions



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