# Determination of the surface resistance of the coating of ATX adapter housings Specification and test setup

***Measuring equipment (complies with EN61340-4-1; EN61340-2-3; EN61340-4-5) ESD***

***measuring device: METRISO®2000 from the company Wolfgang Warmbier***

- Measuring range voltages: 10 V, 100 V and 500 V DC voltage
- Measuring range: Low resistance range: 0 to 10 KΩ High resistance range: 1 KΩ to 1.2 TΩ

***ESD electrodes: Electrode Model 850 from Electro-Tech Systems, Inc.USA***

- Conductive contact rubber (R < 20 Ohm)
- Total resistance - electrode R < 150 Ohm
- Ø 63,5 mm
- Weight 2,27 kg

**ATX fixture housing coating specification.**

The standard powder coating ensures a surface resistance of 15KΩ +- 5 KΩ throughout.
Test setup for measuring the surface resistance of an fixture.
Clean the electrons and the measuring surface from impurities with a clean cloth before each measurement.
The surface resistance described here is the resistance of the coating.
This is determined horizontally to the coating at a specified distance of 300mm by means of two 2.27 kg electrodes. The measuring time of the test is approx. 5 seconds in the 100 volt test voltage range.
See also the adjacent picture of the measurement setup.