Surface resistance
ATX Hardware

Determination of the surface resistance of the coating of ATX fixture housings specification and test setup.

MEASURING EQUIPMENT (entspricht EN61340-4-1; EN61340-2-3; EN61340-4-5)

ESD measuring device: METRISO®2000 of the company Wolfgang Warmbier

- Measuring range voltages: 10V, 100V and 500V direct voltage
- Measuring range: 0 to 10 KΩ High resistance range: 1 KΩ to 1,2 TΩ

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

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

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 measurement surface from contaminants 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 fixed distance of 300mm by means of two 2.27kg electrodes. determined. 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