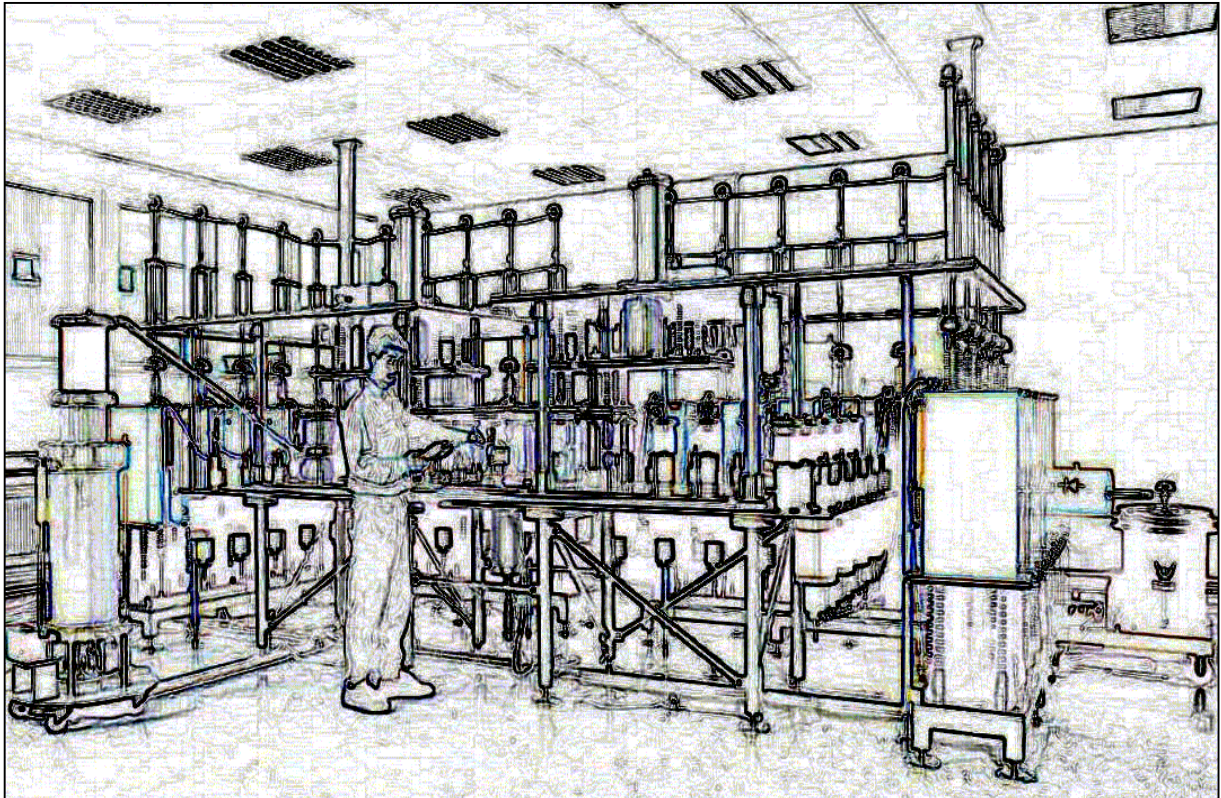


Test report



Report no.: BET/OBO 1-99-12-09 e

Date of test: 1999-12-09

Test engineer: Dipl.-Ing. M.Droldner

Customer: OBO Bettermann GmbH

Device under test: Mesh cable tray GR-Magic type GRM

Demand of test: PE function and equipotential bonding

1. Customer

OBO Bettermann GmbH
Hüingser Ring 52
58710 Menden
Germany

2. Device under test (DUT)

Name: Mesh cable tray GR-Magic type GRM

Manufacturer: OBO Bettermann GmbH
Hüingser Ring 52
58710 Menden
Germany

3. Demand of test

Testing the PE function / equipotential bonding with the current voltage method on the above mentioned DUT.

4. Realisation of test:

At the present time there is no standardised test for this specific arrangement concerning PE function or equipotential bonding. For this reason we used the standard DIN VDE 0604 part 1 where test setups for contact points of trunkings are defined. In this case the connection of the mesh cable tray represents a similar arrangement. For this the contact point is burdened by an electric current of 32A. The voltage drop on the contact point is measured.

5. Test result:

The test of the PE function and the equipotential bonding resulted a voltage drop lower than 15mV due to an electric current of 32A through the above mentioned DUT. The value of 15mV is the maximum value for the test is declared by the DIN VDE 0604 part 1. The measured test results are given on the next page.

The voltage drop across the three locations caused by an electric current of 32A is measured.

location 1: 32A, 7,1mV

location 2: 32A, 9,8mV

location 3: 32A, 7,7mV



The original test report was written on 09. 12. 1999 by Dipl.-Ing. M. Droldner.

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