

**Insulation test probes**  
**S 2058**  
**Quick Guide**

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Mark on your equipment certifies that it meets requirements of all subjected EU regulations.

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**Note:**

This document is not a supplement to the Instruction manual.

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# 1 General description

**S 2058** is a set of two metal probes used to measure the wall and floor insulation complied with standard IEC 60364-6 and electrical resistance of floor coverings and installed floors according to standard IEC 61340-4-1.

## 1.1 IEC 60364-6

This standard describes in Annex B the test probes for measuring the insulation resistance/impedance of floors and walls to earth or to the protective conductor.

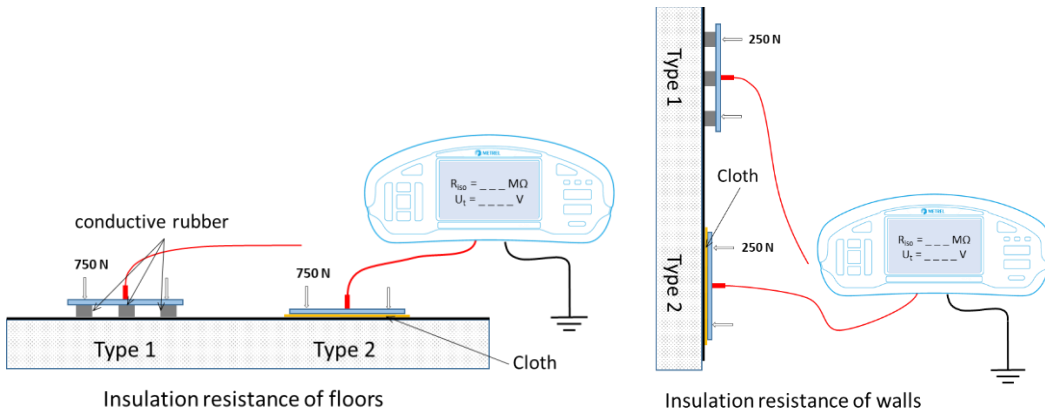
Two types of electrodes are described:

### 1.1.1 Test electrode type 1

This is a tripod, each contacting point made of conductive rubber has a contact surface of approximately  $900 \text{ mm}^2$ , while measurements are being made, a force of approximately 750 N for floors or 250 N for walls is applied to the tripod.

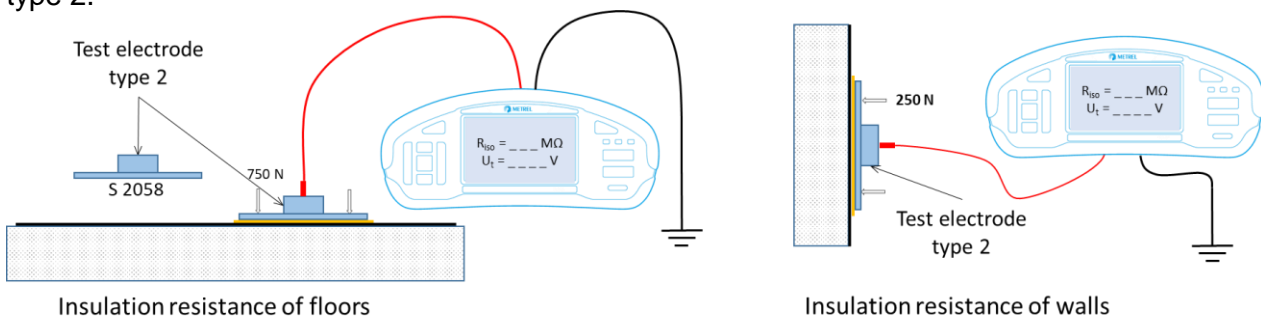
### 1.1.2 Test electrode type 2

This is a metallic plate with contact surface of  $625 \text{ cm}^2$  with damped, water-absorbent paper, or cloth which is put between the metal plate and the surface being tested. During measurement a force of approximately 750 N for floors or 250 N for walls is applied on the plate.



## 1.2 Metrel implementation of IEC 60364-6

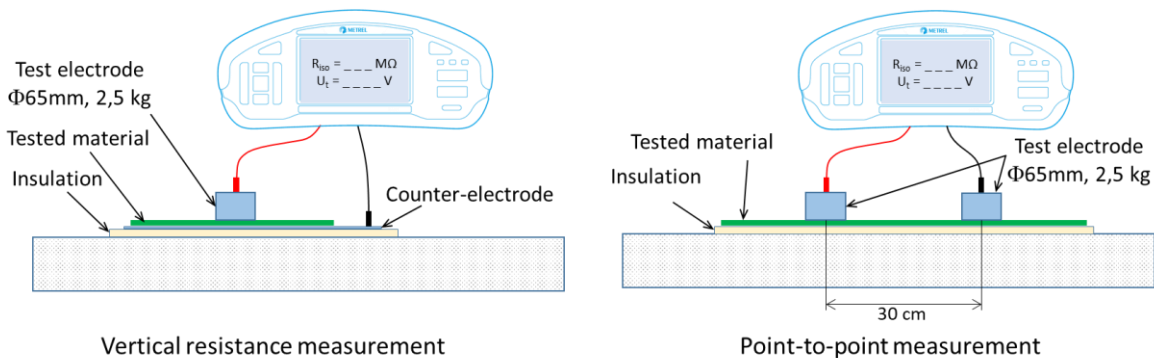
Metrel test probe S 2058 with the plate faced down fulfils the requirements for the test electrode type 2.



### 1.3 IEC 61340-4-1

This standard describes the test methods for electrical resistance of floor coverings and installed floors.

Two electrodes are needed. The measuring electrode as described in IEC 61340-4-1 Ch. 5.2 has a weight of 2,5 kg and a flat circular metal contact with diameter of 65 mm.



### 1.4 Metrel implementation of IEC 61340-4-1

Metrel test probe S 2058 with the cylinder faced down. The cylinder on S 2058 has a diameter of 65 mm and the total weight of the cylinder and the plate is 2,5 kg.

