



Application

With the humidity probe 0636 2135 and the protective PTFE caps in combination with a compatible testo measuring instrument, it is possible to carry out an equilibrium moisture measurement.

Equipment required for the equilibrium moisture measurement:

- For recording measurement values: humidity measuring instrument testo 635-1 or -2 with integrated material selection (material-specific characteristics curves are stored in the database) and integrated moisture calculation
- For measuring material moisture: humidity probe 0636 2135
- For drilling holes for the measurement: electric drill with drill-bit, 6-6.5mm diameter

Equilibrium moisture measurement

- ✓ For recording accurate measurement results the following requirements have to be complied with:
 - The protective PTFE cap on the probe top must not be dirty or clogged. If need be, it can be cleaned (by blowing it out with compressed air) or replaced (remove protective cap and replace with a new one).
 - In the measuring instrument the function for the calculation of moisture must be activated and the material of the object to be measured must be selected. For this please refer to the documentation that comes with the instrument.
- 1 Drill a hole into the material with a depth of at least 4cm and a diameter of 6-6.5mm.
- 2 Connect the humidity probe and switch the instrument on.
- 3 Place the humidity probe in the measuring hole and close the hole with sticking plasticine.
- 4 A waiting period is required until the micro climate in the drill hole has adapted to the material-specific conditions again and the measuring instrument displays a stable measuring value (this can take up to 30 minutes, depending on the material type and moisture content).
- 5 The moisture value is displayed.

Technical Data probe

Characteristic	Values
Measuring range	0...+100%HR 0...+40°C / +32...+104°F
Accuracy	±2%rF (+2...+98%HR) ±0.2°C / ±0.4°F

Accessories / spare parts

Name	Part no.
Protective PTFE caps, 4 pieces	0554 1031
Sticking plasticine	0554 0761