Compact measurement instruments

With the MultiMeasure hand-held measuring instruments you have all measured values quickly and easily under control.

- Air temperature
- Surface temperature
- Relative humidity
- Absolute humidity
- Material moisture
- Dew point

The Trotec MultiMeasure series offers users in industry, manual crafts and construction a full range of measuring instruments for maintenance, damage detection and diagnosis:

The MultiMeasure series includes the compact- and multifunctional measurement instruments listed in the quick comparison chart below as well as other measurement instruments, such as laser pyrometers and tamper-proof data loggers.

PRACTICAL ADVANTAGES:
- Multifunctional hand-held measuring instruments
- Simple one-handed operation
- Rugged, compact housing
- Attractive price/performance ratio

The Trotec MultiMeasure series offers users in industry, manual crafts and construction a full range of measuring instruments for maintenance, damage detection and diagnosis:

The MultiMeasure series includes the compact- and multifunctional measurement instruments listed in the quick comparison chart below as well as other measurement instruments, such as laser pyrometers and tamper-proof data loggers.

Measuring instruments

This digital, hand-held measuring instrument determines air temperature (°C, °F) and relative humidity and displays both values simultaneously in the well legible display.

In addition to the continuous real time display of temperature and relative humidity, not only the minimum and maximum values but also the average and “hold” values can be displayed – all in a split second and by one-handed operation with the thumbwheel.

The absolute humidity (g/m³) or the dew point temperature (dp °C) of the air can be displayed in addition to the relative humidity (r.h.).

This closes the gap between dew point determination and surface temperature measurement!

In the TH mode the measuring instrument corresponds to the T200 and offers all the functions of this thermohygrometer.

In the IR mode you can use the T250 as a laser-pyrometer for surface temperature measurement with moisture location marking. In the upper measured value display the real time value is displayed continuously and in the lower measured value display either the corresponding minimum, maximum, average or “hold” value.

A new feature of the T250 is the DP mode with alarm function:

This closes the gap between dew point temperature determination and surface temperature measurement!

### Thermohygrometer T200

- Air humidity
- Air temperature

### Infrared thermohygrometer T250

- Air humidity
- Air temperature
- Surface temperature
- Dew point alarm

This innovative hand-held measuring device opens up new dimensions in application variety for the user. Depending on the application mode, the T250 provides you with a thermohygrometer or a laser pyrometer!

In the TH mode the measuring instrument corresponds to the T200 and offers all the functions of this thermohygrometer.

In the IR mode you can use the T250 as a laser-pyrometer for surface temperature measurement with moisture location marking. In the upper measured value display the real time value is displayed continuously and in the lower measured value display either the corresponding minimum, maximum, average or “hold” value.

A new feature of the T250 is the DP mode with alarm function:

This closes the gap between dew point temperature determination and surface temperature measurement!

#### Damp Point Measuring Instruments

- Dew point measurement
- Absolute humidity
- Relative humidity
- Surface temperature
- Air temperature
- High temperature measurement
- Velocity measurement
- Airflow speed
- Alarm function

#### In the DP mode

- The dew point temperature and the surface temperature are displayed simultaneously in the well visible display.

As soon as the wall temperature is below the dew point temperature, the T250 alerts the user with an optical laser signal and an alarm tone.

Wall surfaces can be examined in no time and weakpoints detected quickly with the alarm function. The alarm thresholds are individually configurable.

#### Everyday Working Conditions

- Dust and dirt which may falsify measuring results and shorten the sensor life.

The T200 and T250 measuring devices are equipped with a metal grid filter as a standard!
**Moisture meter T60**

- Wood moisture
- Building moisture

Compact hand-held instrument for rapid determination of the material or wood moisture content using the resistance method.

An optimal application for the T60 is the rapid indication of wood moisture content in cut timber and firewood. In addition, the instrument can be used to record moisture in soft building materials such as cement or plaster.

The T60 serves a wide variety of possible applications and is impressive in its simplicity of operation: take off the protective cap – insert the electrodes into the material – that’s all.

**Moisture measurement instruments T600 and T650**

- **Material moisture**
  - Sub-surface moisture
- **Material moisture**
  - Near to surface

Digital, hand-held measuring instrument for fast, destruction-free determination of moisture distributions in areas up to 4 cm away from the surface.

Damp and dry wall and floor areas can be detected by permanent real-time display of the measured values. In addition, the device is suitable for preliminary inspection of the maturity of building materials in CMI measurements.

### Table: Measurement data

<table>
<thead>
<tr>
<th>Measurement data</th>
<th>T60</th>
<th>T600</th>
<th>T601</th>
<th>T602</th>
<th>T650</th>
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<tr>
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<td>ZB9110007</td>
<td>ZB9110012</td>
<td>ZB9110014</td>
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<td>resistance method</td>
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<tr>
<td>Electrodes length</td>
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<td>approx. 8 mm</td>
<td>approx. 8 mm</td>
<td>approx. 8 mm</td>
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<tr>
<td>Electrodes diameter</td>
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<td>approx. 2.2 mm</td>
<td>approx. 2.2 mm</td>
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<tr>
<td>Measurement range for wood moisture</td>
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<td>6 - 44 %</td>
<td>6 - 44 %</td>
<td>6 - 44 %</td>
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<tr>
<td>Accuracy of wood moisture readings</td>
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<td>Measurement range for building moisture</td>
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<td>0.2 - 2.0 %</td>
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### Table: General tech. data

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<td>Measurement range for wood moisture</td>
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