

# Multifunctional compact measuring instruments for trade, industry and building:

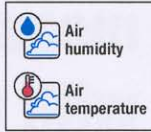
## T200 Thermohygrometer

This digital, hand-held measuring instrument determines air temperature 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 or the dewpoint temperature of the air can be displayed in addition to the relative humidity.



## T250 Infrared thermohygrometer

This innovative hand-held measuring instrument 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 you all the functions of this thermohygrometer.

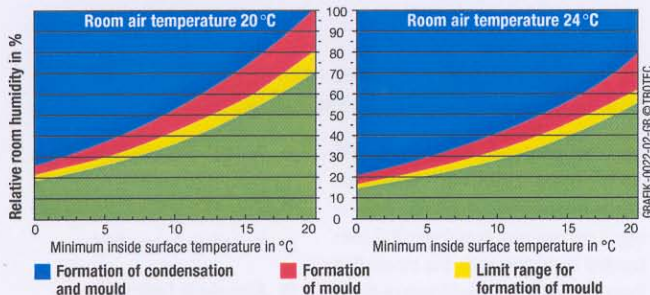
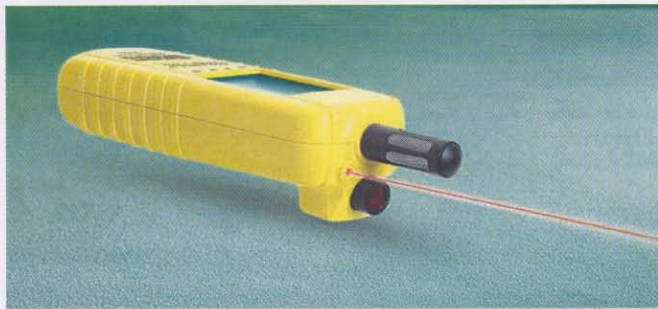
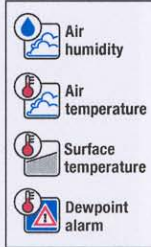
In the IR mode you can use the T250 as a laser-pyrometer for surface temperature measurement with measurement location marking. In the upper measured value display the real time value is displayed continuously and in the lower measured value display either the corresponding minimum, maximum, average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

In the DP mode the dewpoint temperature and the surface temperature are displayed simultaneously in the well visible display. As soon as the wall temperature is below the dewpoint 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.



**Figure:** Limit ranges of formation of condensation or mould in buildings depending on the minimum inside surface temperatures in the area of heat bridges. With the T250 all the necessary measuring variables – room temperature, humidity, surface temperature, dewpoint – can be determined with just one measuring instrument!

## T650 Material moisture measuring instrument

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 CM measurements.

The device can display the minimum, maximum and “hold” values additionally.

An individual alarm limit can also be determined. Advantage: Large wall or floor areas can be

measured quickly and effectively by the alarm function. The user can concentrate on the target without having to watch the measuring results on the display the whole time. If the selected limit is exceeded, the T650 alerts the user with an acoustic signal!



MultiMeasure model	T200	T250	T650
Air temperature	°C/°F	°C/°F	–
Measuring principle	NTC	NTC	–
Measuring range	-20...50 °C	-20...50 °C	–
Resolution (accuracy)	0.1 °C (± 0.4 °C (0...40 °C), otherwise ± 0.7°C)	0.1 °C (± 0.4 °C (0...40 °C), otherwise ± 0.7°C)	–
Humidity	Rel. air humidity	Rel. air humidity	Material moisture
Measuring principle	capacitive	capacitive	capacitive
Measuring range	5...95 % r.h.	5...95 % r.h.	0.0...200 digit
Resolution (accuracy)	0.1 % r.h. (± 3 % r.h.)	0.1 % r.h. (± 3 % r.h.)	0.1 digit
Depth of penetration			20 - 40 mm
Surface temperature	–	°C/°F	–
Measuring principle	–	Thermopile	–
Measuring lens	–	8:1	–
Measuring range	–	-20...60 °C	–
Accuracy	–	± 2 °C	–
Resolution	–	0.1 °C	–
Options upper menu	MAX / MIN / HOLD / AVG	MAX / MIN / HOLD / AVG	MAX / MIN / HOLD
Options lower menu	UNIT 1 / UNIT 2 / CAL 1	TH / IR / DP / CFG UNIT 1 / UNIT 2 /CAL 1	ALARM
Additional function	–	Alarm (laser/tone)	Alarm (tone)
Useful life		approx. 150 h (T250 in the IR/DP mode approx. 10 h)	
Operating conditions		0...50 °C, < 90 % r.h., non-condensing	
Storage conditions		-30...60 °C, < 95 % r.h.	
Dimensions mm	175 x 48 x 25	175 x 48 x 39	190 x 48 x 25
Weight	approx. 200 g	approx. 250 g	approx. 250 g