A FEW PRACTICAL BENEFITS:

Measuring devices designed and produced according to the highest quality standards in Germany

German industrial design in robust, premium two-component construction with IP54 type of protection

Continuous easy-to-clean glass surface made of highly scratch-resistant Blanview special glass for a high-contrast display of measured values even in the sunlight

Capacitive touchscreen control panel

High-resolution colour display for simultaneous indication of two measured values

Precise measurement of air temperature and humidity – site height or pressure can be configured

Pyrometer function for precise surface temperature measurements (T260 only)

Dew point alarm function (T260 only)

Integrated calibration function (user offset) enables long-term usage without quality losses in terms of measurement accuracy

Measured value storage via USB with active software connection

Incl. MultiMeasure Studio measurement data management software (standard download version)

T210 and T260 come with a continuous surface made of highly scratch-resistant Blanview special glass and capacitive touchscreen control panel.

Thermohygrometers T210 and T260

Precision measuring devices with excellent measurement accuracy – T260 additionally with pyrometer and dew point alarm function

TROTEC 100% MADE IN GERMANY

Thermohygrometer T210

This measuring device of German high-quality manufacturing is ideally suited for climate control in living, office, production and storage spaces.

The precision sensors of the T210 are protected against dust and dirt by a metal grid filter inside the measuring head of the device and enable the quick and accurate determination of air and dew point temperature as well as of the relative, absolute and specific air humidity.

Temperature and humidity values are simultaneously indicated on the T210's clearly legible colour display behind Blanview special glass enabling a high-contrast display of measured values even in the sunlight.

A minimum, maximum and average function is available for the direct analysis of the measured data. Besides, the currently measured value can be recorded via the hold function.

IR thermohygrometer T260

The T260 offers all advantages and measurement options of the T210, yet enhances its thermohygrometer function by an integrated laser pyrometer incl. dew point alarm signal generator – all in only one device.

Thus, you can not only flexibly apply the T260 for surface temperature measurements with marking of the measuring site, but thanks to the dew point alarm function it is also possible to quickly and easily locate potential drops below dew point on material surfaces and positions where mould can form or insulation is poor.

Saving, analysing and evaluating measured values

With an active USB connection to the measuring device the MultiMeasure Studio software included in the scope of delivery also allows for online logging of measured values incl. analysis function.

Finally one software for basically all measuring devices

As optionally available Professional version MultiMeasure Studio is not only perfectly suitable for fully compatible devices like the T210 and the T260.

Owners of partially compatible or isolated measuring instruments can also benefit from this software, since it enables the analysis and administration of all measuring projects and customer data across multiple devices in a single application!

Using the unique report generating function you can create professional measurement reports in a trice:

Numerous boilerplate texts for building diagnostics, moisture measurement, leak detection and thermography are already included completely formulated.

Further information regarding the professional version can be found starting on page 46…

WAGA INSTRUMENT

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Technical data		Thermohygrometer T210	IR thermohygrometer T260
Article no.		3.510.207.200	3.510.207.250
Air temperature	Measuring principle	NTC	NTC
	Measuring range	-20 to +50 °C	-20 to +50 °C
	Accuracy	±0.2 °C (0 to 40 °C), otherwise ±0.4 °C	±0.2 °C (0 to 40 °C), otherwise ±0.4 °C
	Resolution	0.1 °C	0.1 °C
	Ascertainable measured values	°C, °F	°C, °F
Air humidity	Measuring principle	capacitive	capacitive
	Measuring range	0 to 100 % RH	0 to 100 % RH
	Accuracy	±2 % RH	±2 % RH
	Resolution	0.1 % RH	0.1 % RH
	Ascertainable measured values	relative humidity (% RH), absolute humidity (g/m³), specific humidity [1] (g/kg, gr/lb), dew point temperature (dp °C, dp °F)	relative humidity (% RH), absolute humidity (g/m³), specific humidity [1] (g/kg, gr/lb), dew point temperature (dp °C, dp °F)
Surface temperature	Measuring principle	–	Pyrosensor
	Measuring range	–	-70 to +380 °C
	Accuracy	–	±0.5 °C (0 to +50 °C), otherwise ±4 °C
	Resolution	–	0.1 °C
	Ascertainable measured values	–	°C, °F
	Optical resolution (D:S)	–	12:1
	Laser	–	Class 2, < 1 mW
Functions	Measuring functions	Measurement of real value, minimum, maximum and average value; display value hold function	
	Adjustment functions	Offset adjustment for temperature and relative humidity, variable display illumination with dimmer function, specification of absolute pressure and local altitude for measuring the specific humidity, automatic switch-off, key lock, measured value storage [2]	
	Dew point alarm	–	■
Power supply	Internal	4 x 1.5 V, type AA, IEC LR06; or comparable NIMH rechargeable batteries (>2500 mAh)	
	External	USB	
General technical specifications	Display	High-resolution colour display for simultaneous indication of two measured values	
	Control	Capacitive touchscreen with cross control	
	Front glass (display and touchscreen)	Highly scratch-resistant "Blanview" special glass for high-contrast display even in the sunlight; chemically hardened, degree of hardness 7	
	Housing protection type	IP54	
	Interfaces	USB	
	Operating conditions	-20 to +50 °C, < 85 % RH [3]	
	Storage conditions	-20 to +60 °C, < 85 % RH [3]	
	Dimensions (L x W x H)	202 x 63 x 35 mm	202 x 63 x 35 mm
	Weight (incl. batteries)	270 g	295 g
Scope of delivery	Standard	Measuring device incl. metal grid filter protective cover, screen protective film, silicone cover, USB cable, batteries, Getting started guide, factory test certificate, MultiMeasure Studio Standard PC software (download)	
	Optional	Screen protective film (Art. no. 3.510.200.220), Silicone cover (Art. no. 7.330.000.065), holster 3 bag (Art. no. 3.510.200.228), sinter filter protection cap (Art. no. 3.510.200.211), calibration block for the single-point calibration (Art. no. 3.510.200.234), calibration ampoules (see page 25), PC software MultiMeasure Studio Professional (Art. no. 3.510.204.010)	

■ *Standard equipment;* [1] *indicates the mass of water in the air in g per kg of dry air;*
[2] *only in combination with the "MultiMeasure Studio" software;* [3] *non-condensing*

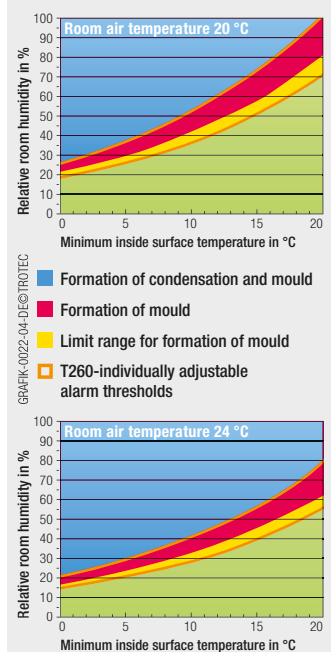### Infrared thermohygrometer T260 with dew point alarm function

During IR measurement the T260 simultaneously indicates the surface temperature of the measuring object and the dew point temperature within the measurement environment.

As soon as the surface temperature falls below the dew point temperature, the T260 notifies you by means of a visual signal and an additional acoustic alarm.

Owing to the alarm function, wall areas can be examined in next to no time and weak points can quickly be detected. The alarm thresholds can be configured individually.

The following illustration depicts thresholds regarding the condensation formation or mould growth in buildings depending on the minimum inner surface temperatures in the region of thermal bridges.

Using the T260, all required measured variables – room temperature, humidity, surface temperature, dew point – can be determined with only one measuring device!

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■ Formation of condensation and mould
■ Formation of mould
■ Limit range for formation of mould
□ T260-individually adjustable alarm thresholds

Trotec · Temperature · Multi-function · Climate · Moisture · Data loggers · Software · Emission · Air Flow · Optical inspection · Leak detection · Tracing and detection · Planning and survey

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