

BP25 Pyrometer (dew point scanner)

Universal pyrometer to accurately locate areas where condensation can form

The BP25 can accurately locate potential drops below dew point on material surfaces and positions where mould can form or insulation is poor.

Using the BP25, surface temperatures as well as current room climate values can be determined in one measuring process.

The pyrometer combines these values to calculate the dew point threshold at the measuring spot and gives an acoustic and visual alarm in the event of a risk of condensation due to a drop below dew point.

An indicator light with traffic-light colours shows whether the surface temperature at the measured point is in a safe, green range. At borderline temperatures, the colour changes to orange and when the temperature drops below dew point, a red LED with an additional acoustic alarm emits a warning.



A few practical benefits

- Development, design, production: 100 % Trotec
- One device for measuring surface temperature, air temperature, relative humidity and dew point temperature
- Acoustic and visual dew point alarm
- Measuring spot diameter display due to on-demand dual laser
- Measuring optic 20:1
- Bar graph indicator for the quick identification of condensation risks
- Backlit display
- Battery status indication
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent



Technical data

Article number		3.510.003.035
Surface temperature	Measuring range	-50 °C up to 260 °C / -58 °F up to 500 °F
	Accuracy	±3.5 °C (at < 20 °C) ±1.5 °C / 1 % (at ≥ 20 °C)
Air temperature	Measuring range	0 °C up to 50 °C / 32 °F up to 122 °F
	Accuracy	±1 °C (at 10 °C up to 40 °C) ±1.5 °C (at < 10 °C, > 40 °C)
Humidity	Measuring range	0 % RH up to 100 % RH
	Accuracy	±3.5 % (20 % RH up to 80 % RH)
Dew point temperature	Measuring range	-30 °C up to 100 °C / -22 °F up to 212 °F
	Accuracy	±2.0 %
Smallest measuring spot		Ø 25.4 mm (Distance 508 mm)
Degree of emission		0.95
Response time		< 0.15 s
Spectral sensitivity		8 - 14 µm
Optical resolution (D:S)		20:1
Functions		Switching function °C/°F, Automatic switch-off, Backlit display, Selectable dual laser, Acoustic dew point alarm, Visual dew point alarm, Bar graph indicator for the quick identification of condensation risks
Power supply		1 x 9 V block battery
Dimensions		168 mm x 58 mm x 82 mm
Weight		163 g
Scope of delivery		Measuring device, Battery(-ies), Bag/Holster, Operating manual