

# BP25 Dew Point Scanner

Universal pyrometer to accurately locate areas where condensation can form

**TROTEC**  
AT WORK.

## BENEFITS IN PRACTICE:

One device for measuring surface temperature, air temperature, humidity and dew point temperature

Acoustic and visual dew point alarm

Measuring spot diameter display due to dual laser technology

Measuring optic 20:1

Colour LED and bar graph indicator display of condensation risk

Backlit display

Automatic switch-off

Excellent value for money



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 point 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.



Technical data		BP25 Dew Point Scanner
Article number		3.510.003.035
Optical resolution (D:S)		20:1
Surface temperature	Measuring range	-50 °C to 260 °C
	Accuracy	< 20 °C: ±3,5 °C; ≥ 20 °C: 1 % ± 1,5 °C
Air temperature	Measuring range	0 to 50 °C
	Accuracy	±1 °C (10-40 °C), ±1,5 °C (<10 °C, >40 °C)
Relative humidity	Measuring range	0 to 100 % RH
	Accuracy	±3,5 % (20 to 80 % RH)
Dew point temperature	Measuring range	-30 °C to 100 °C
	Accuracy	±2,0 %
Reaction time		< 150 ms
Spectral sensitivity		8 - 14 µm
Emissivity		0,95
Functions		Acoustic and visual dew point alarm, bar graph indicator display of condensation risk, dual laser pointer, temperature units °C and °F, backlit display, automatic switch-off
Power supply		9 V battery
Dimensions		82 x 58 x 168 mm
Weight		163 g
Scope of supply		Measuring device, protective bag, batteries, operating manual