

PYROMETER DEW POINT SCANNER BP25

Combined 4-in-1 infrared measuring device to prevent mould growth: measurements of surface temperature, air temperature and humidity level supplemented by an automatic dew point alarm

TROTEC
AT WORK

A FEW PRACTICAL BENEFITS:

Measuring the surface temperature, air temperature, relative humidity and dew point temperature with just one device

Dew point alarms indicated by a change of display colour, acoustic alarm signal and bar graph indicator

Non-contact infrared surface temperature measurements from -50 °C to 260 °C

Measuring optics 20:1

Measuring spot diameter display due to dual laser pointer

Backlit display

Automatic switch-off function

Development, design, production: 100 % Trotec

Practice-optimized German industrial design – protected design patent

Optimum value-for-money ratio



BP25 can measure the surface temperature of walls, materials and objects without the need for contact. To enable you to better estimate the location and dimensions of the measuring spot, the BP25 comes equipped with a dual laser pointer. It projects two laser dots indicating the measuring spot diameter on the surface to be measured.

If condensate forms frequently at the same spot, it usually doesn't take long until mould grows as well. Used for private purposes or commercially — the high-quality pyrometer dew point scanner BP25 provides you with the opportunity to check surfaces such as interior walls and facades for cold spots with a high mould growth potential.

In addition to performing infrared surface temperature measurements the BP25 can make use of an air temperature sensor and a humidity sensor (measuring range between 0 % and 100 % relative humidity), then the dew point temperature is automatically calculated from the 3 determined values.

The room air that surrounds us contains moisture. Especially the humidity levels in the bathroom, kitchen or bedroom are often elevated. What can be said in general is that the warmer the air, the more water vapour can be absorbed. Conversely, though, this means that when warm, damp air meets a colder surface and the air cools down, the contained moisture condenses and forms ultra-fine droplets of water on the cold surface.

Technical Data		BP25 Pyrometer Dew Point Scanner	
Article Number		3.510.003.035	
Optical Resolution (D:S)		20:1	
Smallest Measuring Spot		Ø 25.4 mm (Distance 508 mm)	
Infrared Temperature Sensor	Measuring Range [°C]	-50 - 260 [°C]	
	Measuring Range [°F]	-58 - 500 [°F]	
Integrated Temperature Probe	Measuring Range [°C]	0 - 50 [°C]	
	Measuring Range [°F]	32 - 122 [°F]	
Dew Point Temperature Measuring Range [°C]		-30 - 100 [°C]	
Humidity Measuring Range [%]		0-100 [%]	
Display		LCD	
Power Supply		1 x 9 V Battery	
Dimensions [mm]		168 x 58 x 82 [mm]	
Weight [g]		163 [g]	