

BP21 Pyrometer

Non-contact temperature measurement – quick and precise

Minimum cost – maximum performance:

The BP21 impresses with first-rate performance data in this device class, e.g. with a wide temperature range, optical resolution of 12:1, degree of emission adjustable according to the specific material and with an innovative dual laser automatically visualizing the measuring spot size.

After no more than a few seconds the BP21 is ready for operation and quickly and reliably captures temperature values ranging from -35 °C to +800 °C.

The pyrometer can not only hold the current measured value, but also display maximum or minimum value, and it can be programmed with individual limit values, upon the exceedance of which an acoustic alarm signal will be emitted automatically.

The user-friendly design and comprehensive equipment features make the BP21 a versatile infrared thermometer for industrial, handicraft and hobby applications.



A few practical benefits

- Development, design, production: 100 % Trotec
- Non-contact surface temperature measurement from -35 °C to +800 °C
- Measuring spot diameter display due to dual laser technology
- Measuring optic 12:1
- Degree of emission freely adjustable from 0.1 to 1.0
- Maximum, minimum value and hold function
- Backlit display
- Alarm function
- Automatic switch-off
- Practice-optimized German industrial design - protected design patent

Technical data

Article number	3.510.003.031
Measuring range	-35 °C up to 800 °C / -31 °F up to 1,472 °F
Accuracy	±2 °C or ±2 % of measured value
Resolution	0.1 °C
Smallest measuring spot	Ø 12.5 mm (Distance 150 mm)
Degree of emission	0.1 up to 1.0
Response time	0.3 s
Spectral sensitivity	8 - 14 µm
Optical resolution (D:S)	12:1
Functions	Minimum value display, Maximum value display, Hold function, Switching function °C/°F, Automatic switch-off, Backlit display, Selectable dual laser, Alarm function with user-defined limit values, Acoustic alarm function, Non-stop measuring function
Power supply	1 x 9 V block battery
Dimensions	150 mm x 45 mm x 108 mm
Weight	177 g
Scope of delivery	Measuring device, Battery(-ies), Bag/Holster, Operating manual