

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.

Technical data	BP21 Pyrometer
Article number	3.510.003.031
Optical resolution (D:S)	12:1
Temperature range	-35 °C to +800 °C
Accuracy, max.	±1 % of the measured value or ±1 °C
Smallest measuring spot \varnothing	12.5 mm (distance 150 mm)
Resolution	0.1 °C
Response time	0.3 seconds
Spectral sensitivity	8 - 14 μ m
Functions	Display of maximum or minimum value, hold function, adjustable degree of emission (0.1 to 1.0), connectable dual laser, continuous measurement, temperature alarm function, temperature units °C and °F, display illumination, automatic switch-off
Power supply	9V block battery
Dimensions	105 x 45 x 155 mm
Weight	177 g
Scope of delivery	Measuring device, storage bag, 9V battery, operating manual

BENEFITS IN PRACTICE:

Development, design, production
100 % Trotec

Non-contact surface temperature
measurement from -35 °C to +800 °C

Degree of emission freely adjustable
from 0.1 to 1.0

Measuring optic 12:1

Optimum value-for-money ratio

Measuring spot diameter display
due to dual laser technology

Maximum or minimum value
and hold function

Backlit display

Alarm function

Tried and tested German industrial
design – protected prototype



Temperature