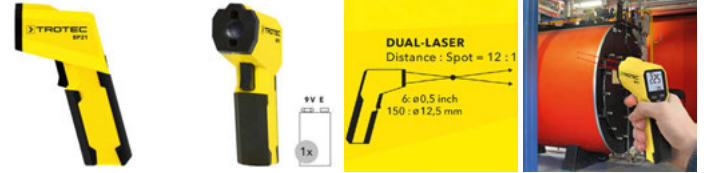▶ TROTEC

BP17 Pyrometer

- Development, design, production: 100 % Trotec
- Non-contact surface temperature measurement from -50 °C to +380 °C
- Selectable visual targeting laser
- Measuring optic 10:1
- Acoustic and visual alarm when exceeding/falling below a preselectable temperature difference
- Selectable sensitivity levels: OFF / 1 °C / 3 °C / 5 °C
- Backlit display
- Battery status indication
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent

BP21 Pyrometer

- Development, design, production: 100 % Trotec
- Non-contact surface temperature measurement from -35 °C to +800 °C
- Measuring spot diameter display due to on-demand dual laser
- 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

BP21WP Pyrometer

- Development, design, production: 100 % Trotec
- Non-contact surface temperature measurement from -30 °C to +250 °C
- Multi-point laser
- Measuring optic 10:1
- Maximum, minimum value and hold function
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Logging function
- Chart representation of measurement data
- Report generation
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent

BP25 Pyrometer (dew point scanner)

- 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

Overview:
Pyrometers

Technical data		BP17	BP21	BP21WP	BP25
Article number		3.510.003.029	3.510.003.031	3.510.006.031	3.510.003.035
Surface temperature	Measuring range	-50 °C up to 380 °C / -58 °F up to 716 °F	-35 °C up to 800 °C / -31 °F up to 1,472 °F	-30 °C up to 250 °C / -22 °F up to 482 °F	-50 °C up to 260 °C / -58 °F up to 500 °F
	Accuracy	±2 °C / ±2 % (at > 0 °C) ±3 °C (at ≤ 0 °C)	±2 °C or ±2 % of measured value	±3 °C (at > 0 °C) ±2 °C / ±2 % (at ≤ 0 °C)	±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 %
Resolution		0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	–
Smallest measuring spot		Ø 12.7 mm (Distance 127 mm)	Ø 12.5 mm (Distance 150 mm)	Ø 12.7 mm (Distance 254 mm)	Ø 25.4 mm (Distance 508 mm)
Degree of emission		0.95	0.1 up to 1.0	0.95	0.95
Response time		< 0.5 s	0.3 s	0.3 s	< 0.15 s
Data interface		–	–	Bluetooth 4.0	–
Spectral sensitivity		8 - 14 µm	8 - 14 µm	8 - 14 µm	8 - 14 µm
Optical resolution (D:S)		10:1	12:1	10:1	20:1
Power supply		1 x 9 V block battery	1 x 9 V block battery	3 x 1.5 V, AAA	1 x 9 V block battery
Dimensions		130 mm x 45 mm x 149 mm	150 mm x 45 mm x 108 mm	24,3 mm x 37 mm x 150.5 mm	168 mm x 58 mm x 82 mm
Weight		190 g	177 g	110 g	163 g
Functions		BP17	BP21	BP21WP	BP25
MultiMeasure Mobile App necessary		–	–	■	–
MultiMeasure Mobile App compatible		–	–	■	–
Minimum value display		–	■	■	–
Maximum value display		–	■	■	–
Average value display		–	–	■	–
Hold function		–	■	■	–
Long-term measurement function		–	–	■	–
Bar graph indicator for the quick identification of condensation risks		–	–	–	■
Non-contact measurement		■	■	■	■
Switching function °C/°F		■	■	■	■
Automatic reference temperature		■	–	–	–
Non-stop measuring function		–	■	–	–
Representation of measurement data as chart, matrix or table		–	–	■	–
Data export		–	–	■	–
Report generation function		–	–	■	–
Backlit display		■	■	–	■
Selectable single laser pointer		■	–	–	–
Selectable dual laser		–	■	–	■
Multi-point laser aiming aid		–	–	■	–
Visual signal transmitter		■	–	–	–
Acoustic signal transmitter		■	–	–	–
Alarm function		–	–	■	–
Alarm function with user-defined limit values		–	■	–	–
Acoustic alarm function		–	■	–	–
Acoustic dew point alarm		–	–	–	■
Visual dew point alarm		–	–	–	■
Automatic switch-off		■	■	■	■
Battery status indication		■	–	■	■
Scope of delivery		BP17	BP21	BP21WP	BP25
Battery(-ies)		■	■	■	■
Bag/Holster		■	■	–	■
Wrist strap		–	–	■	–
Optional accessories		BP17	BP21	BP21WP	BP25
Bag for WP-appSensors		–	–	3.510.206.090	–