



## BT20 Insertion thermometer

- Quick and easy core temperature measurements
- Broad measuring range
- Maximum, minimum value and hold function
- Easy handling and cleaning
- Rapid response time
- Soft-touch rubber protective cover
- Stainless steel measuring tip
- Automatic switch-off



## BT22WP Thermometer

- Development, design, production: 100 % Trotec
- Quick and easy temperature measurement of air and liquids
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and the MultiMeasure Mobile app
- Maximum or minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- 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



## BP2F Food thermometer

- Infrared and insertion thermometer in one device
- Core temperature measurements from -40 °C to +200 °C – or up to +280 °C by non-contact infrared measurement
- 25 mm measuring spot Ø at a distance of 100 mm from the measuring object
- Retractable and lockable core temperature probe
- Robust washable IP65 construction
- Alarm function for maximum/minimum temperature limits
- Backlit display
- Integrated LED lamp
- Meets the specifications of the LFGB, §31 (German Food and Feed Code)
- Conforms with DIN 10955:2004
- Battery status indication



## BP5F Food thermometer

- Development, design, production: 100 % Trotec
- Infrared and insertion thermometer in one device
- Core temperature measurements from -40 °C to +200 °C – or up to +280 °C by non-contact infrared measurement
- 5 mm measuring spot Ø at a distance of 100 mm from the measuring object
- Extremely compact due to retractable, lockable core temperature probe
- Robust washable IP65 construction
- Backlit display
- LED quick indicator lights for HACCP compliant temperature ranges
- Meets the specifications of the LFGB, §31 (German Food and Feed Code)
- Conforms with DIN 10955:2004
- Practice-optimized German industrial design – protected design patent

# TEMPERATURE

## Overview: Thermometers



Technical data		BT20	BT22WP	BP2F	BP5F
Article number		3.510.205.001	3.510.205.009	3.510.003.017	3.510.003.020
Measuring range	Probe	-40 °C up to 250 °C / -40 °F up to 482 °F	-50 °C up to 150 °C / -58 °F up to 302 °F	-40 °C up to 200 °C / -40 °F up to 392 °F	-40 °C up to 200 °C / -40 °F up to 392 °F
	Infrared	–	–	-40 °C up to 280 °C / -40 °F up to 536 °F	-40 °C up to 280 °C / -40 °F up to 536 °F
Accuracy	Probe	±1.5 % or ±2 °C / ±3.8 °F	±2 °C / ±3.6 °F (at < 0 °C) ±1 °C / ±1.8 °F (at ≥ 0 °C)	±2 °C (at ≤ 0 °C) ±1 °C / ±1 % (at 0 °C up to 200 °C)	±1 °C (at ≤ 65 °C) ±1 % (at > 65 °C)
	Infrared	–	–	±3 °C (at -40 °C up to 20 °C) ±1 °C (at ≥ 20 °C up to 280 °C)	±2 °C (at < -4 °C) ±1 °C (at -4 °C up to 65 °C) ±1.5 % (at > 65 °C)
Resolution		0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	–	–
Degree of emission		–	–	0.95	0.95
Response time		2 s	–	< 0.5 s	< 0.5 s
Data interface		–	Bluetooth 4.0	–	–
Range		–	–	–	–
Optical resolution (D:S)		–	–	4:1	20:1
Type of protection		–	–	IP65	IP65
Power supply		1 x 1.5 V, LR44	3 x 1.5 V, AAA	2 x 1.5 V, AAA	1 x 9 V block battery
Dimensions		211 mm x 19 mm x 32 mm	22 mm x 36 mm x 223 mm	140 mm x 24 mm x 38 mm	185 mm x 50 mm x 67 mm
Weight		40 g	90 g	150 g	180 g
Functions		BT20	BT22WP	BP2F	BP5F
MultiMeasure Mobile App necessary		–	■	–	–
MultiMeasure Mobile App compatible		–	■	–	–
Minimum value display		■	■	■	■
Maximum value display		■	■	■	■
Average value display		–	■	–	–
Hold function		■	■	■	■
Non-contact measurement		–	■	■	■
Switching function °C/°F		■	■	■	■
Representation of measurement data as chart or table		–	■	–	–
Data export		–	■	–	–
Report generation function		–	■	–	–
Backlit display		–	–	■	■
Cooking assistant		–	–	–	–
Cooking levels		–	–	–	–
Display colour change function		–	–	–	–
Radio transmission		–	–	–	–
Stopwatch function		–	–	–	–
Alarm function		–	■	■	–
Acoustic alarm function		–	–	■	–
Alarm function with user-defined limit values		–	–	■	–
Timer function		–	–	–	■
Visual signal transmitter		–	–	–	–
Acoustic signal transmitter		–	–	–	–
HACCP quick indicator LED		–	–	–	■
Automatic switch-off		■	■	■	■
Battery status indication		–	■	■	–
Scope of delivery		BT20	BT22WP	BP2F	BP5F
Battery(-ies)		■	■	■	■
Protective cover for measuring tip		■	–	–	–
Magnetic holder		–	–	–	–
Velcro strap		–	–	–	–
Pocket clip		–	–	–	–
Stainless steel measuring probe with stainless steel connecting cable		–	–	–	–
Wrist strap		–	■	–	–
Optional accessories		BT20	BT22WP	BP2F	BP5F
Bag for WP-appSensors		–	3.510.206.090	–	–