

BP5F Food thermometer



Combined surface and core temperature measurements in conformity with HACCP standards

Thanks to the robust, washable IP65 construction, the BP5F is the universally applicable solution for testing food temperature compliance with HACCP standards.

Whether you work in manufacturing, inspecting, transportation, trade or gastronomy, testing temperatures with the BP5F – for example, to monitor cooling chains or thawing temperatures – is quick and reliable. A measuring spot diameter of a mere 5 mm at a distance of 10 cm from the measuring object enables pinpoint results.

As well as showing the digital values on the display, a built in LED quick indicator shows at a glance whether the temperature ranges are compliant with HACCP values.

The BP5F uses infrared to quickly measure surface temperatures contact-free, while showing the measuring spot and it also allows you to measure core temperatures with the 10 cm stainless steel probe. The probe can be retracted into the handle and locked, making this combination device safe and compact enough for any jacket pocket.



A few practical benefits

- 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



Technical data

Article number		3.510.003.020
Measuring range	Probe	-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
Accuracy	Probe	±1 °C (at ≤ 65 °C) ±1 % (at > 65 °C)
	Infrared	±2 °C (at < -4 °C) ±1 °C (at -4 °C up to 65 °C) ±1.5 % (at > 65 °C)
Degree of emission		0.95
Response time		< 0.5 s
Optical resolution (D:S)		20:1
Type of protection		IP65
Functions		Minimum value display, Maximum value display, Hold function, Switching function °C/°F, Automatic switch-off, Backlit display, HACCP quick indicator LED, Timer function
Power supply		1 x 9 V block battery
Dimensions		185 mm x 50 mm x 67 mm
Weight		180 g
Scope of delivery		Measuring device, Battery(-ies), Operating manual