

## Technical data



## Accessories

	Part no.	
ISO calibration certificate/temperature for air/immersion probes, calibration point -18°C	0520 0061	
ISO calibration certificate/temperature for air/immersion probes, calibration point 0°C	0520 0062	
ISO calibration certificate/temperature For air/immersion probes, calibration points -18°C; +60°C	0520 0043	
ISO calibration certificate/temperature for air/immersion probes, calibration points -18°C; 0°C; +60°C	0520 0001	
ISO calibration certificate/temperature Infrared thermometers, calibration points -18°C, 0°C, +60°C	0520 0401	
ISO calibration certificate temperature Infrared thermometers, calibration points 0°C, +60°C	0520 0452	

Sensor type	NTC
Meas. range	-50 to +250 °C
Accuracy ±1 digit	±1 °C (-50.0 to -30.1 °C) ±0.5 °C (-30.0 to +99.9 °C) ±1% of mv (remaining range)
Resolution	0,1 °C
t <sub>99</sub>	10 s (measured in moving liquid)
Measurement rate	0,5 s

Sensor type	Infrared
Meas. range	-30 to +250 °C
Accuracy ±1 digit	±2.5 °C (-30.0 to -20.1 °C ) ±2.0 °C (-20.0 to -0.1 °C ) ± 1 °C or ±1.5% of mv (remaining range )
Resolution	0,1 °C
Measurement rate	0,5 s
Optics	10:1 + opening diameter of the sensor (12 mm)
Meas. spot marking	2 point laser
Spectral range	8 to 14 µm
Emissivity	0.10 to 1.00 (0.01 steps)
Laser marking	on / off

General technical data	
Measurement value	temperature °C/°F/°R
Measurement mode	Hold or auto hold (immersion probe)
Oper. temp.	-20 to +50 °C
Storage temp.	-30 to +50 °C
Battery type	2 batteries Type AAA
Battery life	10 h
Display	LCD, single line, illuminated, with status line (°C, °F, °R, battery, hold/auto hold, min, max, laser, measurement, emissivity)
Protection class	IP65
Dimensions	281 x 48 x 21 mm (probe folded out) 178 x 48 x 21 mm (probe not folded out)
Material/Housing	ABS / TPE / PC, diecast zinc, stainless steel
Weight	197 g (incl. batteries)
Standards	EN13485
Warranty	2 years