

FoodPro and FoodPro Plus Food Safety Thermometer Specifications

Infrared Specifications (both)	
Temperature	Fluke FoodPro -30 °C to 200 °C Fluke FoodPro Plus -35 °C to 275 °C
Accuracy	(Assumes ambient operating temperature of 23 °C ±2 °) Between 0 °C and 65 °C: ±1 °C Below 0 °C : ±1 ° ±0.1 degree/degree Above 65 °C): ±1.5 % of reading
Response time	<500 ms after initial reading
Spectral Response	8-14 microns
Emissivity	Pre-set for foodservice applications
Distance to spot size/Optical Resolution (D:S)	2.5:1 @ 90 % energy, typical
Typical working range (target illumination)	≈25 mm to 250 mm
Minimum target size	12 mm ø
Illumination to IR channel offset	13 mm

Probe Specifications (FoodPro Plus)	
Temperature	FoodPro Plus -40 °C to 200 °C
Accuracy	(Assumes ambient operating temperature of 23 °C ±2°) FoodPro Plus Between -5 °C and 65 °C : ±0.5 °C Below -5 °C : ±1 °C Above 65 °C: ±1 % of reading
Response time	FoodPro Plus 7-8 secons (3 time constants)
Probe dimensions	FoodPro Plus Diameter: 3.0 mm Length: 90 mm
Sensor type	FoodPro Plus Thin-film platinum, class A, Resistance Thermal device (RTD)

Operational Specifications (both)	
Repeatability	Within accuracy specifications of the unit
Ambient operating range	0 °C to 50 °C
Relative Humidity	90 % (+/- 5 %) RH non condensing @ 30 °C
Storage Temperature	-20 °C to 60 °C
Weight	FoodPro 100 g (with battery) FoodPro Plus 150 g (with battery)
Dimensions	FoodPro 150 mm x 30 mm x50 mm FoodPro Plus 165 mm x 32 mm x 50 mm
Power	FoodPro 1 AA alkaline FoodPro Plus 9 V alkaline

Battery Life	alkaline 10 hours minimum @ 23 °C
Target illumination	High Brightness LED
Display Resolution	FoodPro 4 digits, 0.2 °C FoodPro Plus 4 digits, 0.1 °C
Displayhold (7seconds)	FoodPro yes FoodPro Plus yes
LCD backlit display	FoodPro no FoodPro Plus yes
Temperature display	FoodPro 4 digits, 0.2 °C resolution FoodPro Plus 4 digits, 0.1 °C resolution
Maximum temperature displayed	FoodPro no FoodPro Plus yes
Timer	FoodPro no FoodPro Plus yes
Environmental Data	IP54 sealing (hand-washable, non-submersible)

Other Specifications (both)	
Calibration Certificate	FoodPro Plus Calibration accuracy with NIST and DKD traceability
Standards	Conforms to EN 61236-1 Electromagnetic Emissions and Susceptibility, EN 6101-1 General Safety, Sealing IP54 (hand washable, non-submersible)
Certifications	CE NSF
Warranty	2 years
Options/Accessories	FoodPro Plus Replacement probe

At calibration geometry of 279 mm with a 140 mm diameter, 0/97 emissivity blackbody.

Specifications subject to change without notice.