

## FoodPro and FoodPro Plus Food Safety Thermometer Specifications

Infrared Specifications (both)	
Temperature	<b>Fluke FoodPro</b> -30 °C to 200 °C <b>Fluke FoodPro Plus</b> -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	<b>FoodPro Plus</b> -40 °C to 200 °C
Accuracy	(Assumes ambient operating temperature of 23 °C ±2°) <b>FoodPro Plus</b> Between -5 °C and 65 °C : ±0.5 °C Below -5 °C : ±1 °C Above 65 °C: ±1 % of reading
Response time	<b>FoodPro Plus</b> 7-8 secons (3 time constants)
Probe dimensions	<b>FoodPro Plus</b> Diameter: 3.0 mm Length: 90 mm
Sensor type	<b>FoodPro Plus</b> 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	<b>FoodPro</b> 100 g (with battery) <b>FoodPro Plus</b> 150 g (with battery)
Dimensions	<b>FoodPro</b> 150 mm x 30 mm x50 mm <b>FoodPro Plus</b> 165 mm x 32 mm x 50 mm
Power	<b>FoodPro</b> 1 AA alkaline <b>FoodPro Plus</b> 9 V alkaline

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

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

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

Specifications subject to change without notice.

