

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.

