

The 92010-K Kit is made up of the 20100-K Blue2 Instrument and 50337-K DuraNeedle Direct Connect Probe. The Blue2 instrument transmits temperatures wirelessly to your mobile device via Bluetooth Low Energy. It can utilize any interchangeable Type-K thermocouple temperature probe making it versatile for insertion, air or surface temperature measurement. The data can be integrated into existing third party applications.

Kit Includes:

- 20100-K Blue2 Instrument
- 50337-K DuraNeedle Direct Connect Probe



Specifications

20100-K Blue2 Instrument

- Temperature Range: -40° to 999°F (-40° to 537°C)
- Ambient Operating Range: 32° to 122°F (0° to 50°C)
- Resolution: 0.1°
- Accuracy: $\pm 0.5^\circ\text{F}$ with ambient temperatures between 68° to 86°F, add $\pm 0.1^\circ\text{F}$ per degree outside of this ambient range
- RF Range: 100 ft, line-of-site
- Auto-off: Adjustable from 1-30 minutes in 1 min increments
- Sleep Mode: Adjustable from 1-30 minutes in 1 min increments
- Power: Replaceable 3V Lithium cell battery (CR123A) (Included)
- Battery Life: 750 hours
- ABS plastic housing with antimicrobial additive
- IPX7 waterproof rated
- Bluetooth Low Energy
- FCC compliant, CE certified, WEEE marked, RoHS compliant, NSF listed, Traceable to NIST standards
- 5-year warranty



Note: EMC Compliance: The Blue2 instrument may record temperature measurements beyond the stated accuracy when exposed to radio frequency disturbances between 250 MHz and 1000 MHz with a field strength in excess of 3.0V/m. This deviation is temporary and the Blue2 will recover when the disturbance is removed.

50337-K DuraNeedle Probe

- Temperature Range: -100° to 500°F (-73° to 260°C)
- Accuracy: $\pm 1^\circ\text{F}$
- Response Time: 1 second in liquid
- Probe Length: 4" (102 mm)
- 1-year warranty

Packaging

- Individual Package Weight: 6 oz (170 g)
- Package Dimensions: 9" x 4.375" x 2.125" (229 mm x 111 mm x 54 mm)



**Smartphone application pictured for demonstration purposes only*