

The 92500 Kit includes a 20500 Blue2-D Instrument and 56337-K DuraNeedle Direct Connect Probe. The Blue2-D transmits temperatures wirelessly to your mobile device via Bluetooth Low Energy and features a digital display. It can utilize any interchangeable Type-K thermocouple temperature probe making it versatile for insertion, air or surface temperature measurement.

Kit Includes:

- 20500 Blue2-D Instrument
- 56337-K DuraNeedle Direct Connect Probe



Specifications

20500 Blue2-D Instrument

- Temperature Range: -100° to 1000°F (-73° to 538°C)
- Ambient Operating Range: 32° to 122°F (0° to 50°C). 10% to 90% RH, non-condensing
- Resolution: 0.1°
- Accuracy: $\pm 0.5^{\circ}\text{F}$ ($\pm 0.3^{\circ}\text{C}$), at ambient temp between 68°F to 86°F (20°C to 30°C). Add $\pm 0.1^{\circ}$ to accuracy spec per 1° change to ambient temperature outside of 68°F to 86°F.
- Bluetooth Low Energy
- RF Range: 100 ft open-field range
- Auto-Off: User adjustable
- Sleep Mode
- Battery: (1) AA (Included)
- Battery Life: 500 hours
- ABS plastic housing with antimicrobial additive
- IPX7 waterproof rated
- 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.

56337-K DuraNeedle Probe

- Temperature Range: -100° to 500°F (-73° to 260°C)
- Accuracy: $\pm 1^{\circ}\text{F}$ ($\pm 0.5^{\circ}\text{C}$)
- Response Time: 1 second in liquid.
- Probe Length: 3" (76 mm)
- 1-year warranty

**Total System Accuracy: $\pm 1.5^{\circ}\text{F}$ ($\pm 0.3^{\circ}\text{C}$) with ambient temps between 68° to 86°F (20° to 30°C), adding $\pm 0.1^{\circ}$ per 1°.*

Packaging

- Individual Package Weight: 0.67 lb
- Package Dimensions: 7.25" x 5.25" x 3.375" (184mm x 133mm x 86mm)



The 92400 Kit includes a 20400 Blue2-DIR Instrument and 56337-K DuraNeedle Direct Connect Probe. The Blue2-DIR transmits temperatures wirelessly to your mobile device via Bluetooth Low Energy. The Blue2-DIR features a digital display and an infrared sensor with laser sight for taking surface temperatures. It can utilize any interchangeable Type-K thermocouple temperature probe making it versatile for insertion, air or surface temperature measurement.

Kit Includes:

- 20400 Blue2-DIR Instrument
- 56337-K DuraNeedle Direct Connect Probe



Specifications

20400 Blue2-DIR Instrument

- Temperature Range: -100° to 1000°F (-73° to 538°C)
- Infrared sensor: -94° to 720°F (-70° to 382°C)
- Emissivity: Adjustable from 0.10 to 1.00. Default is 0.95.
- D:S: Approx. 11:1
- Laser Sight: One point fixed at 15" target distance
- Resolution: 0.1°
- Ambient Operating Range: 32° to 122°F (0° to 50°C). 10% to 90% RH, non-condensing
- Accuracy: $\pm 0.5^\circ\text{F}$ ($\pm 0.3^\circ\text{C}$), at ambient temp between 68°F to 86°F (20°C to 30°C). Add $\pm 0.1^\circ$ to accuracy spec per 1° change to ambient temperature outside of 68°F to 86°F.
- Bluetooth Low Energy
- RF Range: 100 ft open-field range
- Auto-off: User adjustable
- Sleep Mode: Adjustable from 1-60 minutes in 1 min increments
- Battery: (1) AA (Included)
- Battery Life: 500 hours (Laser OFF)
- ABS plastic housing with antimicrobial additive
- 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.

**Total System Accuracy: $\pm 1.5^\circ\text{F}$ ($\pm 0.3^\circ\text{C}$) with ambient temps between 68° to 86°F (20° to 30°C), adding $\pm 0.1^\circ$ per 1°.*

56337-K DuraNeedle Probe

- Temperature Range: -100° to 500°F (-73° to 260°C)
- Accuracy: $\pm 1^\circ\text{F}$ ($\pm 0.5^\circ\text{C}$)
- Response Time: 1 second in liquid.
- Probe Length: 3" (76 mm)
- 1-year warranty

Packaging

- Individual Package Weight: 0.63 lb
- Package Dimensions: 7.25" x 5.25" x 3.375" (184mm x 133mm x 86mm)

