

## Totaline® Dual K-type Thermometer P920-343



Size: 5.75" x 2.75" x 1.5"  
41mm x 152mm x 77mm

### Got a 2-channel K-type thermometer that takes simultaneous readings with T1/T2 selection.

The Totaline P920-343 is a reliable, water-resistant tester that accepts K-type thermocouples, the most common type used today. The P920-343 has the ability to be field calibrated, with an easy two step process performed through the keypad, it does not require the use of additional tools. The P920-343 has many uses, including:

- HVAC/R Temperatures: Ambient air, calibrate thermostats, vents, compressor heads, temperature differential and registers
- Food Temperatures: Grill and surface temperatures
- Electrical Temperatures: Cables, circuit breakers, connections, machinery, motors and transformers

### P920-343 Features:

- Temperature range -58°F to 2,462°F (-50°C to 1,350°C)
- Easy-to-read main display - displays OFL to show disengaged or open probe
- Thermocouple type indicator
- Display mode indicator (T1, T2, T1-T2)
- On/off button with guard to prevent accidental engagement
- Freezes the reading on the display
- Select input T1 or T2 and display temperature differential (T1-T2)
- Select between Celsius or Fahrenheit display
- Record and display minimum and maximum temperatures
- Comes complete with: 2 GK13M, carrying pouch, rubber boot with tilt stand, battery and manual
- 3-Year limited warranty



Tilt Stand For The P920-343

### Specifications

Input	Dual K-type thermocouple
Temperature Range	-58°F to 2,462°F (-50°C to 1,350°C) Auto range
Display	0.1°C/°F : up to 999.9°C/°F 1.0°C/°F : above 1,000°C/F
Accuracy	±3°F(±1.6°C): -58°F to 32°F (-50°C to 0°C) ±0.3% of rdg +1.8°F (1°C) 32°F to 1,100°F (0°C to 600°C) ±0.4% of rdg +1.8°F (1°C) 1,100°F to 2,462°F (600°C to 1,350°C)
Update Rate	2.5 times/second
Key Buttons	On/Off, T1, T2, T1-T2, °C, °F, HOLD
Field Calibration	By key operation
Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-13°F to 158°F (-25°C to 70°C)
Battery	9V
Battery Life	200 hours (alkaline)

### P920-343e FAQs

1. **What is the difference between thermocouple and thermistor probes?**  
Thermocouple probes utilize the reaction between two dissimilar metals to produce a voltage that changes as temperature changes. A thermistor is a resistive device that produces a change in resistance with a change in temperature. In general, thermocouples offer a wider temperature range and quicker response time than thermistors. Thermistors are typically more accurate than thermocouples.
2. **What are the differences between thermocouple types?**  
Each thermocouple uses different metals and therefore have different characteristics. Here are general guidelines:  
**K-Type** - wide temperature range, used in many digital thermometers and multimeters. Identified by a yellow connector.  
**J-Type** - narrower temperature range than K-type, used in analog and digital thermometers. Identified by a black connector.  
**T-Type** - narrower temperature range than J-type but more accurate than K and J types, used in digital thermometers. Identified by a blue connector.
3. **Can different thermocouple types be interchanged?**  
No. Since each thermocouple type uses different metals in its construction they have different output characteristics. Using a J-type thermo-couple in a K-type thermometer will cause measurements to be very inaccurate.