



E-Control Systems, Inc.

IntelliProbe™ Wireless Temperature Probe

IP1-1000

General Description

The IntelliProbe™ is a wireless Bluetooth® temperature acquisition device designed for applications requiring quick and accurate temperature recording. It features a Bluetooth 2.0 radio with support for Serial Port Profiles (SPP), a 12 bit A/D converter for accurate measurements, and it is fully compatible with IntelliCheck™ and FusionLive™ software. The IntelliProbe™ can communicate with a PDA or any other Bluetooth® enabled device up to 300 feet away. Very low power requirements and a 740 mA Lithium Ion battery combine to provide several days of use without recharging. IntelliProbe™ makes taking temperatures easy with one touch temperature acquisition and convenient status LED alerts of the unit. The IntelliProbe™ also features an iButton™ reader at its base for reading compatible iButton™ ID tags and data loggers. A Software Development Kit (SDK) is available for the IntelliProbe™ that allows you to customize the unit for your own applications and hardware.



Applications

The IntelliProbe™ is optimized for HACCP controlled food environments where efficient and accurate temperature acquisition is critical. The IntelliProbe™ is designed to sample multiple food temperatures and send data to any Bluetooth® compatible device. Its wireless and easy to use characteristics make it an ideal choice for commercial food environments.

Technical Specification

- Bluetooth® 2.0 Certified
- Class 2 Bluetooth device
- 328 ft (100 m) Range (Line of Sight)
- 2.402 GHz - 2.480 GHz frequency range
- Receiver Sensitivity: Better than -76dB
- Auto power-off feature
- FCC certified for worldwide operation
- Continuous Operating Time: 19 hours
- Charge Time: 45 minutes (65% Capacity)
- Conformal Coated board for moisture rich operating environments
- SDK Available for custom applications
- Physical Size: 6.54 x 1.78 x 0.910 in. (166 x 45 x 23 mm)
- Replaceable Probe Dimensions
 - Diameter: 0.125 in. (3.175 mm)
 - Length: 4 in. (101.6 mm)
- Ambient Operating Temperature: -4°F to 140°F (-20°C to 60°C)
- IntelliProbe Measurement Range: -40°F to 392°F (-40°C to 200°C)
- Resolution: +/- 0.18°F (0.1°C)
- Measurement Accuracy: +/- 0.36°F (0.2°C)
- Sensor Accuracy
 - 40°F to 212°F (-40°C to 100°C) : +/- 0.9°F (0.5°C)
 - 212°F to 392°F (100°C to 200°C): +/- 0.5% of reading
- NIST Calibration for improved accuracy (up to 0.18°F/0.1°C) is available upon request

IntelliProbe™ - Wireless Bluetooth Temperature Probe

