

# DirectTemp® USB Thermometer

## DTU6001-002

### Engineering Information:

- USB thermometer
- Operating temperature range: -20°C to 60°C
- #24 AWG leads
- Food-grade 316 stainless steel hex housing
- Data logging and alert notification software included
- Multiple sensors supported
- Measures in Fahrenheit, Celsius and Kelvin
- Use as a plug-and-play Windows device or with custom software
- NIST traceable certification available
- Able to be recalibrated by QTI
- RoHS-compliant



### Applications:

- Food safety inspection
- Liquid-filled containers
- Thermometer replacement

### Series Information:

The versatile and durable DirectTemp® DTU6001-002 USB thermometer was created as a general-purpose temperature sensor, replacing traditional thermometers. It features a 1/8" NPT housing made from food grade 316 stainless steel with a 1"-long probe. 10' of PVC cable connects the probe to the USB housing. Other housing sizes available.

### DirectTemp® USB Thermometer Overview:

A high-precision thermistor is combined with a 14-bit analog to digital converter and a simple USB communication interface to capture real-time temperature data. The DirectTemp® device can communicate either as a Human Interface Device which auto installs to interface with the DirectTemp® data logging software, or as a virtual serial port with which custom or third party software may be used. DirectTemp® probes are calibrated in QTI's metrology laboratory and can be re-calibrated and returned to service for extended life. The absolute accuracy and repeatable precision of the DirectTemp® USB temperature acquisition system will become invaluable to your most critical application.

- Up to 0.1°C absolute accuracy
- Up to 0.01 resolution\*
- Choose probe style, cable length, and critical temperature point
- PC powered, no batteries
- Temperature range: -55°C to 150°C with proper probe selection
- RoHS Compliant

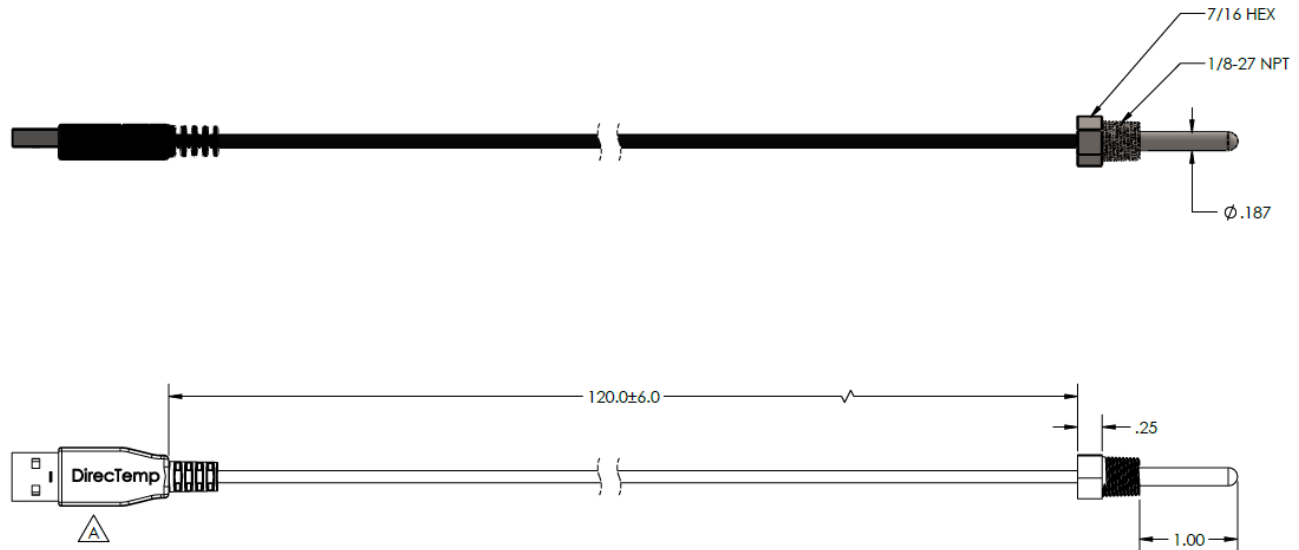
\*User specified single point temperature and tolerances available.

**Warning: Do not use in human life support applications.**

This device is not designed nor intended to operate in situations where human injury will result in the event of a failure.

# DirecTemp® USB Thermometer

## DTU6001-002 Specifications



## QTI Sensing Solutions

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QTI is the unparalleled leader in world-class temperature sensing technology with over for 40 years of proven expertise for the most demanding customers in the world. We custom-engineer the industry's most reliable temperature sensors for mission-critical applications. As a true business partner, we deliver beyond the products we make as we relentlessly pursue excellence in everything we do.

Contact us to discuss your temperature sensing needs today.