

# DTU6024C

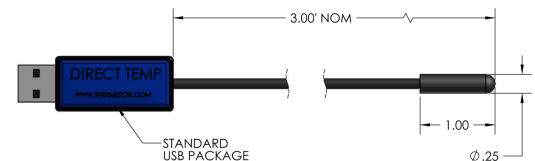


QTI's DTU6024C waterproof DirecTemp™ USB thermometer combines a highly stable precision thermistor encapsulated with an extremely durable waterproof housing. The temperature sensor offers excellent performance during harsh freeze thaw cycles. The overmolded probes are a great solution where moisture resistance is critical. The DTU6024C temperature sensor is ideal for HVAC and refrigeration applications.



## ENGINEERING INFORMATION

- USB thermometer
- Data logging and alert notification software included
- Multiple sensors supported
- 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



## TOLERANCES, POWER DRAW AND RESOLUTION

Available tolerances	Current draw	Resolution
+/- 0.5°C (0°C to 70°C)	<100mA	0.01°C
+/- 0.1°C (0°C to 100°C)		
+/- 0.05°C (0°C to 70°C)		

**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.

## SOFTWARE CONFIGURATIONS

### HID configuration (plug and play)

- Automatic driver installation in Microsoft Windows
- DirecTemp™ data logging software included for Windows
- Compatible with Windows 2000 and newer 32- and 64-bit systems

### USB-Serial configuration (virtual com port for OEM and proprietary software applications)

- Virtual serial device
- Designed for integration with third party software
- Compatible with Windows, Linux and Mac OS
- Example software code for common programs available

QTI can customize this part for you. Contact us for available options.

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