

# Precision USB thermometer probe

NEW!

- ✓ 0.1 °C resolution with ±0.5 °C accuracy
- ✓ USB/PC powered - no batteries required
- ✓ includes free USB Lite thermometer software
- ✓ designed for use with custom third party software



The Precision USB Thermometer Probe provides a reliable and economical method of measuring temperature utilising a computer or PDA (Host). Each probe is calibrated to provide excellent accuracy and stability, measuring temperature over the range of -40 to 125 °C (0 to 70 °C for the USB stick air probe) with an 0.1 °C resolution and an accuracy of ±0.5 °C.

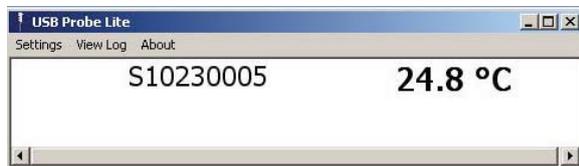
A precision NTC thermistor is combined with a 16-bit analogue to digital converter and a simple USB communication interface to capture real-time temperature data.

Each USB probe incorporates a unique serial number, allowing several probes to monitor temperature at the same time via a direct USB connection or a USB hub. The USB Lite thermometer software converts your PC into a thermometer, chart recorder or data-logger.

No external power source or batteries are required - all the power (30 mA max @ 5 volt) is taken from the USB port. The compact design is ideal for a wide range of applications including computer/server room monitoring, warehouse monitoring and display cabinet monitoring.



## normal PC view



## settings view



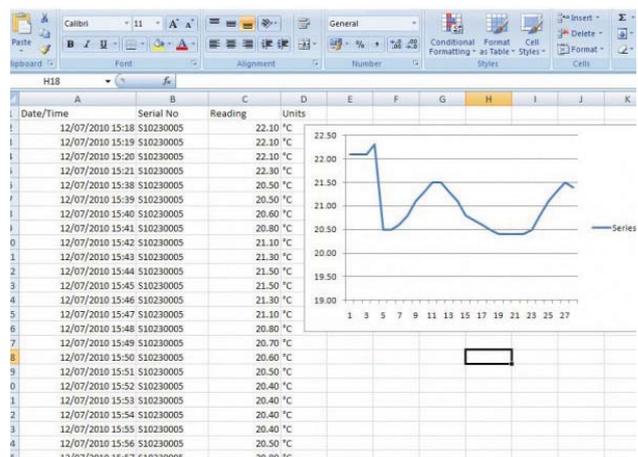
## OEM Third Party Software Applications

The USB Thermometer Probe has been designed for integration with custom third-party software applications. With this in mind, the communication protocol is available on request to approved software engineers.

## USB Lite Thermometer Software

Each USB thermometer probe is supplied with free of charge USB Lite software and is compatible with Windows 2000/XP/Vista/7. This software allows the user to monitor temperatures on their PC and log to an Excel spreadsheet for future analysis. PDA software is also available, for further information contact the ETI sales office.

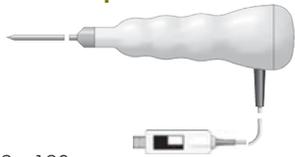
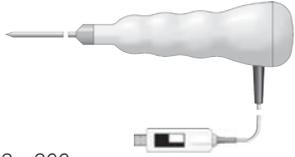
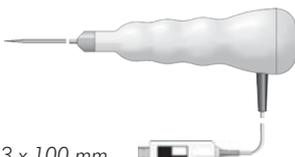
## Excel view



# Precision USB Thermometer Probes

## utilising NTC Thermistor Sensors

The design of the temperature probe used to physically measure the temperature of the item is important to achieve maximum accuracy. ETI manufactures a range of standard USB Type A thermometer probes, alternatively if you require a special probe design, please contact our technical sales team.

		order code	
<p><b>penetration probe</b></p>  <p>Ø3.3 x 130 mm</p>	<p>This stainless steel penetration probe is versatile and strong and incorporates a heavy duty, ribbed, polypropylene handle with a white end cap. Ideal for many temperature measurement applications including liquids, semi-solids and granular materials. Response time less than two seconds. Maximum probe temperature 125 °C.</p>	178-166	
<p><b>penetration probe</b></p>  <p>Ø3.3 x 300 mm</p>	<p>This 300 mm long stainless steel penetration probe is both versatile and strong and incorporates a heavy duty, ribbed, polypropylene handle with a white end cap. Ideal for many temperature measurement applications including liquids, semi-solids and granular materials. Response time less than two seconds. Maximum probe temperature 125 °C.</p>	178-168	
<p><b>fast response probe</b></p>  <p>Ø3.3 x 100 mm</p>	<p>This stainless steel, fast response, needle penetration probe incorporates a heavy duty ribbed, polypropylene handle. The probe is suitable for liquids and soft semi-solid materials including fish, fruit and other soft or delicate materials. Response time less than one second. Maximum probe temperature 125 °C.</p>	178-159	
<p><b>air or gas probe</b></p>  <p>Ø4.5 x 130 mm</p>	<p>This stainless steel, fast response, hand held air or gas probe incorporates a heavy duty ribbed, polypropylene handle. The probe is ideal for measuring air temperatures in refrigeration units, storage areas and other similar applications. Response time less than two seconds. Maximum probe temperature 125 °C.</p>	178-300	
<p><b>air or gas wire probe</b></p>  <p>Ø3.7 x 30 mm with 1000 mm FEP lead</p>	<p>This fast response, air or gas wire probe is ideal for measuring air temperatures in fridges, freezers, chill cabinets and similar. Supplied with a one metre FEP lead. Response time less than one second. Maximum probe temperature 125 °C.</p>	178-372	
<p><b>foil between pack probe</b></p>  <p>40 x 50 mm with 1000 mm FEP lead</p>	<p>This easy to use, flexible, fast response foil between pack probe has been designed to measure between packs or boxes of produce in a variety of applications. Response time less than three seconds. Maximum probe temperature 100 °C.</p>	178-090	
<p><b>air probe</b></p>  <p>4 x 24 mm</p>	<p>This ambient air probe is ideal for measuring the air temperature in rooms, or computer cabinets and storage areas. Response time less than one second. Probe temperature range 0 to 70 °C.</p>	178-360	

