

## Finally, Simple Reliable Temperature, Humidity, Proximity, and Switch Monitoring

THUM - OEM

Temperature Humidity USB Monitor

This version of the THUM that is capable of having up to 3 external sensors connected. The THUM-OEM is a true USB device to monitor temperature and relative humidity of interior living, working, and storage spaces. The THUM-OEM is ideal for kiosks, point of sale - POS, industrial control applications, and OEM equipment integration - wherever accurate and reliable monitoring is required.

- Do you Need to know the current temperature and humidity in a kiosk or on a piece of automated equipment?
- Do you Need to monitor other things such as the status of a switch, or proximity to an object?
- Do you Need to integrate into another program application?

### Then you Need a THUM - OEM !

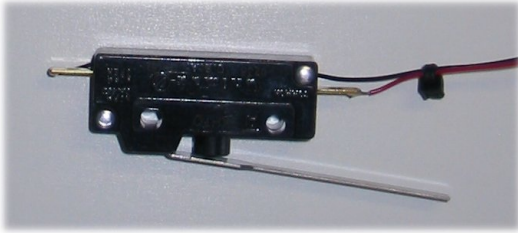
The USB interface makes this sensor easy to install on any computer running Windows 98SE, 2000, XP, 2003, 2008 Server. By using the Application Program Interface (API), the THUM monitoring capabilities can be easily integrated into other software. This API is done through a Windows DLL (Dynamic Link Library). Applications can include kiosk/ATM monitoring, integration into automated equipment, or server room monitoring. Up to 3 external sensors can be plugged into a single THUM-OEM making it an economical way to monitor several different conditions. Monitoring the temperature inside a kiosk or other equipment can save costly downtime due to premature equipment failure.

The external switch can be used to detect a physical status, such as if a door has been opened. A proximity sensor can be used to detect if someone approaches or leaves a kiosk which can start a sequence of events. A proximity sensor can also be used to detect the level of dispensed items remaining.

### External Sensors available:



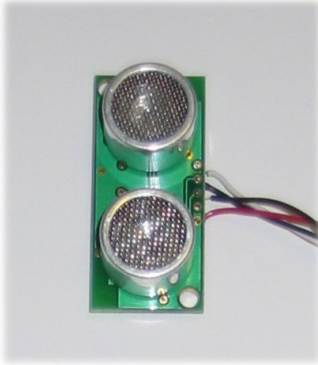
**External switch** Use our switch or your own to detect things such as a door being opened.



**Infrared proximity sensor** Detects the presence of an object within 3 cm to 30 cm



**Ultrasonic proximity sensor** Detects the presence of an object within 1 inch to 4 feet. This sensor provides a linear output



**External temperature sensor** be added to detect the temperature in a second location, such as the temperature of the server room. **Need to monitor something else?** Our engineering department can work with you to provide a custom sensor solution.

**Features:**

- Accurate Temperature & Relative Humidity monitoring ( $\pm 0.72^\circ\text{F}$  and 2% RH)
- Inexpensive USB Thermometer, proximity sensor, and switch monitor
- USB for easy installation and support for new computer hardware
- DLL for API integration into other programs
- A temperature only version is available if you want to reduce costs and don't need to monitor humidity.
- Powered by the USB port - no additional power adapter needed
- No calibration required
- Small physical dimensions (2.8" x 2" x 1.25")

**For Indoor Use Only**

**Accuracy/Range:**

Temperature Accuracy	$\pm 0.4^\circ\text{C}$ @ $5^\circ\text{C}$ to $40^\circ\text{C}$
	$\pm 0.72^\circ\text{F}$ @ $41^\circ\text{F}$ to $104^\circ\text{F}$
Humidity Accuracy	$\pm 2.0\%$ RH @ 10% to 90%
Temperature Range	$-40^\circ\text{C}$ to $51^\circ\text{C}$
	$-40^\circ\text{F}$ to $125^\circ\text{F}$
Humidity Range	0% to 100%

**System Requirements:**

Pentium 300 MHz computer or faster  
 32 MB RAM or greater  
 1 available USB 1.1 or USB 2 port  
 Windows 98SE(Second edition), Windows 2000, Windows XP, Windows 2003, 2008 server

