



Real-time USB Temperature & Humidity Monitor

## FEATURES

- -20 to +70 °C (-4 to +158 °F) measurement range
- 0 to 100% **relative humidity** measurement range
- **Email, cell phone, or pager alerts on alarm conditions**
- **Continuous data logging, export to Excel feature**
- User-programmable alarm thresholds for **Temperature and RH%**
- Supplied with Windows **display, graphing, and alerting software** 32/64 bit
- **5 minute installation, starts automatically when Windows starts**
- **Runs unobtrusively in Windows system tray, full window on right click**
- **ROHS compliant, RF emissions compliant EN 55011:2007 + A2:2007**

When plugged into the USB port of a PC, **Windows will automatically install a driver**. After installing the software from the CD-ROM provided, TempElerTUSB measures temperature and relative humidity from -20 to +70 °C (-4 to +158 °F) and 0 to 100%RH. The **software** displays the temperature, humidity and dew point (the temperature at which water vapor present in the air begins to condense) in real-time and saves it to a file which can store up to 7 days' worth of data.

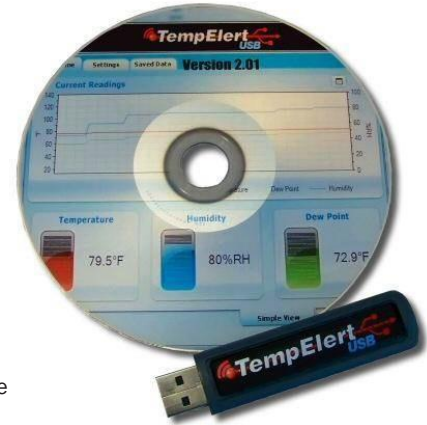
This data file is overwritten at the beginning of each new logging session. The software provides the option for the user to save the data file permanently to the hard-drive. Temperature, relative humidity and dew point can be graphed, printed and exported to other applications. An **export to Excel feature is built in to the software**. A test button allows you to test email/cell phone/pager messaging prior to deployment.

The sensor can be extended away from the PC using optional USB extender cables up to 5 meters (16 feet) or using our optional Cat5 USB adapter, up to 100 meters (328 feet) on a dedicated cable.

IntelliWeather Inc.  
 3008 Cohasset Rd  
 Chico, CA 95973  
 Tel: 530-899-8434  
 Fax: 530-899-3333

**ORDERING INFORMATION**

**TempElerTUSB #TMPEL-USB**  
 (Includes sensor device, software)  
 \$99 in single quantity, volume discounts are available by quotation. Governmental PO's accepted



Specifications		Minimum	Typical	Maximum	Unit
Temperature	Measurement range*	-20 (-4)		+70 (+158)	°C (°F)
	Repeatability		±0.3 (±0.6)		°C (°F)
	Accuracy (overall error)		±1.5 (±3)**		°C (°F)
	Response time		20	30	sec
Relative Humidity	Measurement range	0		100	%RH
	Repeatability (short term)		±0.5		%RH
	Accuracy (overall error) (20-80%RH)		±4.5		%RH
	Response time		5		sec
	Long term stability		1		%RH/Yr
Dew Point	Accuracy (overall error) (25 °C, 40-100%RH)		±2.5 (±5)		°C (°F)
Logging rate			1		sec
Operating temperature range		-20 (-4)		+70 (+158)	°C (°F)

\* Range to -40 to +90 °C (-40 to +194 °F) for occasional use

\*\* Stated accuracy correct following 15 minutes temperature stabilization in environment

**www.tempeleertusb.com Tel: 530-899-8434 Fax: 530-899-3333**



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### WINDOWS DISPLAY AND ALERTING SOFTWARE

Easy to install and use, the control software runs under Windows XP and Vista (32 bit only), Windows7 (32/64 bit), Windows 8 and Server 2003/2008(32/64 bit).. It provides a display which can view the current temperature and humidity and graph either the current live data or logged data files. The software can also show the current temperature and humidity in the notification area within the Windows tool-bar. Right-clicking on the TempEAlertUSB icon in the notification area enables the user to access the full functionality of the software. Users can assign high and low alarms within the software which can send emails, text alerts or audible alarms via the PC's internal speaker.

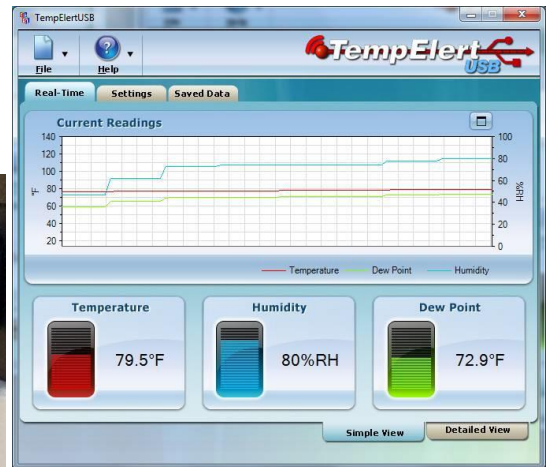
The software allows the following parameters to be configured:

- Display units in °C or °F
- Set high and low alarms for temperature and humidity
- E-mail alert and SMTP server settings
- Text message alert settings
- Mute the PC audio alarm beep
- Show readings / icon in notification bar
- Data logging settings



Blue LED indicates active status

Software provides real-time display with graphing



### DIMENSIONS

All dimensions in mm (inches)



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