

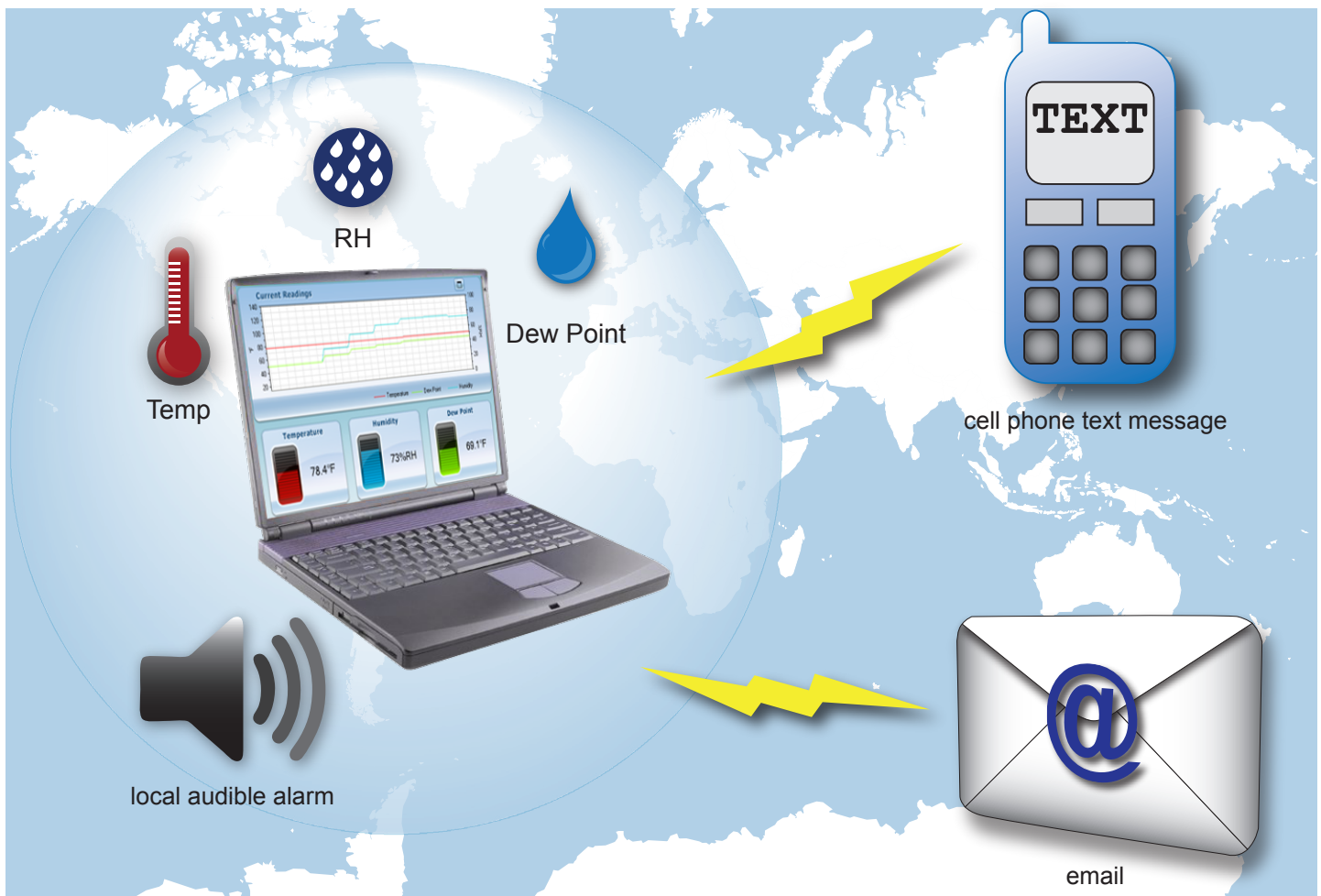
## Features

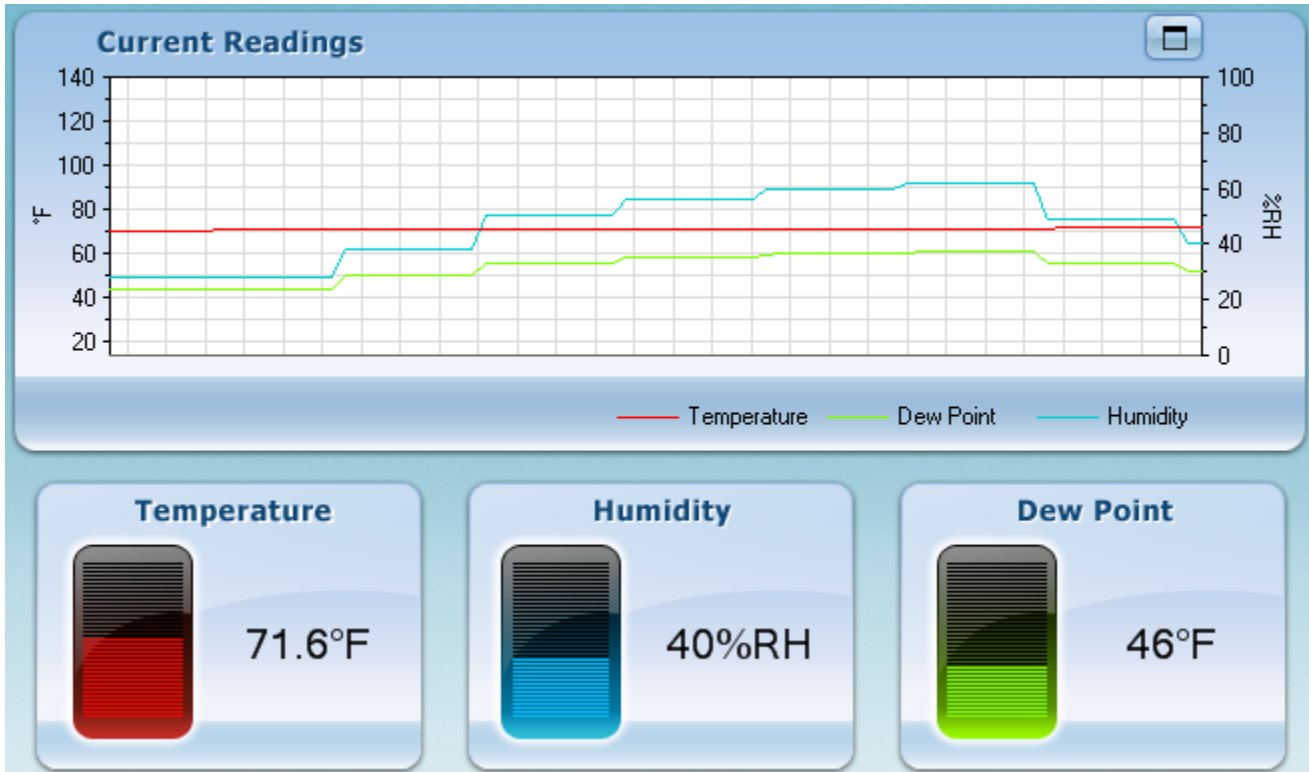
- Measures temperature, humidity, dew point
- -20 to 70°C (-4 to 158°F), 0 to 100% RH measurement range
- Three alarm actions in any combination:
  - Text message to any cell phone
  - Email to any account
  - Local audible alarm
- Low-cost, compact, USB-compatible



The EL-USB-RT is a Temperature/Humidity data logger that plugs into the USB port of a PC. It provides continuous monitoring of the local environment of the PC, including temperature (-20°C to +70°C), relative humidity (0 to 100% RH) and dew point data. The included EL-USB-RT software provides a clean, straight-forward display and intuitive controls. Data is logged to your hard drive at a rate of one sample per second. Each data

file can contain up to 7 days of continuous data. Once recorded, data can be plotted using the EL-USB-RT software or exported to Microsoft Excel. The alarm feature incorporated into the EL-USB-RT software allows you to trigger an audible alarm, send a text message to a cell phone and/or an email notification, anywhere in the world, when temperature, humidity or dew point exceed specified thresholds.



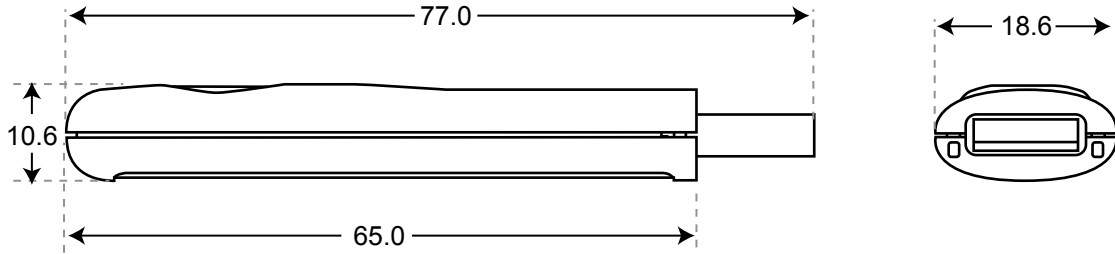


The EL-USB-RT software clearly displays real-time temperature, humidity and dew point in real time on the host PC's display.

The screenshot shows the configuration window for the EL-USB-RT software. At the top, it allows selecting the temperature display unit: °C (unselected) or °F (selected). Below this is the 'Alarm Levels' section, which is organized into three rows: Temperature, Humidity, and Dew Point. Each row has checkboxes for 'High' and 'Low' thresholds, along with numerical input fields and units. For Temperature, both High and Low thresholds are set to 32.0 °F. For Humidity, the High threshold is checked and set to 60 %RH, while the Low threshold is set to 0 %RH. For Dew Point, the High and Low thresholds are set to 32.0 °F, and a 'Threshold' checkbox is checked and set to 0.0 °F. A note below the Dew Point section states: '(Alarm is triggered when temperature is within entered threshold of dew point)'. At the bottom, there are checkboxes for 'Mute PC beep on alarm' (unselected), 'No backup on session end' (unselected), 'Enable email settings' (checked), and 'Enable Daily Activity Log' (unselected). An 'Email configuration' button is located at the bottom right.

Straight forward controls allow for easy configuration of alarm levels and resulting alerts.

## EL-USB-RT Dimensions (mm)



## EL-USB-RT Specifications

	Specification	Minimum	Typical	Maximum	Unit
Relative Humidity	Measurement Range	0		100	%RH
	Humidity Repeatability (short term)		±0.5		%RH
	Accuracy (overall error, 20-80% RH)		±4.5	±6.0	%RH
	Response Time		5		sec
	Long-term Stability		1		%RH/Yr
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
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 stabilisation in environment.

## EL-USB-RT Ordering Information

Description	Order Number
<b>Temperature and Humidity Data Logger</b> Includes EL-USB-RT data logger, measurement leads, and software on CD.	<b>EL-USB-RT</b>



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