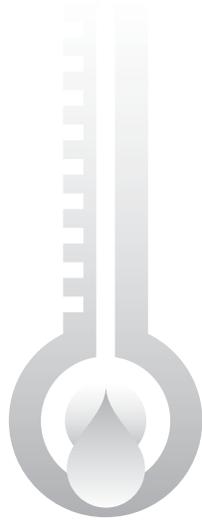


CyberSensor[®]

Automated Ambient Temperature and Humidity Sensor

User Guide



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User Guide



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CyberSensor

Temperature and Humidity Sensor

Introduction

CyberSensor is a temperature-humidity monitor that works in combination with GAGetrak and links to your computer via a USB port. It monitors the temperature and relative humidity of your calibration environment, making your documentation even more complete.

System Requirements

- GAGetrak version 6.59 or higher
- Available USB 1.1 or USB 2 port

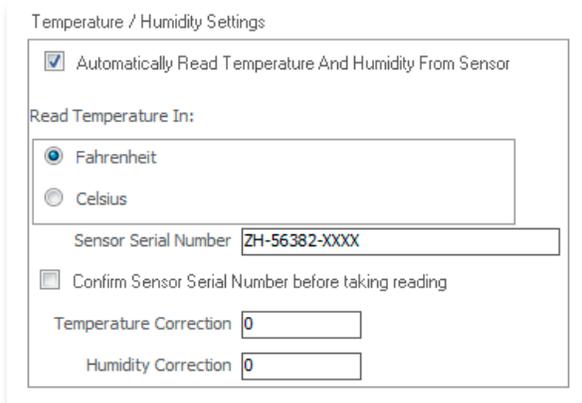
Installation

To install CyberSensor, simply connect the USB cable to both the CyberSensor and the USB port on your computer.

Settings

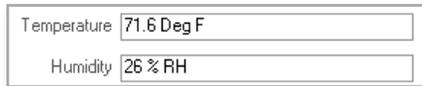
When a calibration is passed, ambient temperature and humidity readings are automatically retrieved from the CyberSensor and recorded in the GAGetrak calibration record.

1. Open GAGetrak and navigate to the **Setup -> Settings -> General** tab. Locate the **Temperature/Humidity Settings** pane:



2. Select your preferences for the following fields:

- **Automatically Read Temperature and Humidity from Sensor** - Check this checkbox to activate your CyberSensor for use in GAGetrak. The temperature and humidity readings are captured within the **Calibrations -> Calibration** tab.



- Select your preferred temperature scale (**Fahrenheit** or **Celsius**) which will apply to all readings.
- Only use the **Confirm Sensor Serial Number before taking reading** option if you have more than one CyberSensor being used in your lab. The purpose of this option is to verify that the currently connected CyberSensor is the same one defined in **Settings** for each installation. That way, any offsets (correction values) entered are not applied to the wrong sensor because each could potentially have a different calibration offset. When a calibration is passed, GAGetrak will prompt you to confirm the serial number and if it does not match the one defined in **Settings**, GAGetrak will not take a reading.
- CyberSensor is not an adjustable device. If you calibrate CyberSensor and find that it reads higher or lower than actual temperature or humidity, enter that discrepancy into the appropriate **Correction** field. When a reading is retrieved from CyberSensor, the correction amount is added or subtracted from the reading before populating the calibration record.

For example, if you have calibrated CyberSensor against a master standard that returns a reading of 77 degrees and the CyberSensor returns a reading of 79 degrees, then you would enter **-2** in the **Temperature Correction** field. GAGetrak will then subtract 2 from future readings for the defined device to return the correct temperature.

Recording Temperature and Humidity Data in Calibration Records

When a calibration is passed, temperature and humidity readings will be automatically retrieved from the CyberSensor and recorded in the GAGetrak calibration record.

If, however, a calibration did not pass, you can manually retrieve temperature and humidity data from your CyberSensor by double-clicking the **Temperature** or **Humidity** fields within the **Calibrations -> Calibration** tab.

The screenshot shows the 'Calibrations' window with the 'Calibration' tab selected. The form contains various fields for calibration details. A 'Reading Data...' dialog box is open over the 'Temperature' and 'Humidity' fields, with a blue arrow pointing to the 'Humidity' field. The dialog box contains the text 'Reading temperature / humidity data from sensor...'. The 'Temperature' field is currently set to 78 and the 'Humidity' field is set to 35%. Other fields include Gage ID (PG199-2), Status (<Null>), Gage S/N (9087-3456-90807), Calib Freq (1 Months), Next Due (2/13/2014), Calibration Date (1/14/2014), Time (1:20:00 PM), Department (LAB), By (RCollins), Calibration Type (Scheduled Calibration), Results (Normal-Good), Action Required (None), Description (SDI02 .2505 GO .260 NO/GO), Est Costs (\$0.00), Costs (\$0.00), Hours (0), Account No, Certificate No, Uncertainty (0), Coverage Factor, Deg of Freedom, Pressure, Other, and Select Label Design. The 'Findings' section is empty and has a 'Pass' checkbox checked. At the bottom, there are buttons for MSA, Graph, Certificate, Gage Entry, View Label, and Print Label. The status bar at the bottom shows 'Calibration 5 of 88' and 'Unfiltered Search'.