

Cold Storage Warehouses

Give your customers direct proof that their products are stored and shipped from your cold storage facility at agreed-to temperatures. Trace issues back to transportation – not your storage warehouse.

Any storage warehouse that requires a strictly controlled environment is a great candidate for our Sensatronics Environmental Management Solution (SEMS).

Freezer, Cooler and Dry Storage

We do it all with one solution. Our environmental monitoring devices can track temperatures, detect leaks and monitor humidity levels – anything you need to keep your products cool and dry.



Any customer or compliance inspector can view your storage environment through a Web-based interface using a secure login and password. Your customers will have direct proof that their products are being stored as directed. And due to accurate and consistent monitoring, you can often increase compliance to the regulatory agencies who may oversee your storage warehouse.

The Three Basic Components

SEMS is comprised of three basic components – the temperature units that monitor activity from a particular device (a cooler or freezer, for example) and then send data to the SEMS server; the SEMS server which tracks utilization and compares the reported data against thresholds and alerts you to out-of-range conditions; and a Web-based interface that displays results in an easy to read format. Alarms and alerts can be sent to your pager, e-mail or cell phone.

All data is displayed in easy to read graphs. Reporting features allow daily, weekly or monthly reports to be extracted in spreadsheet format. The SEMS server is housed in a secure data center connected to several Internet backbones so that traffic always goes through the fastest and shortest route possible. The data center is currently connected to several providers whose backbones cover the entire USA and are connected to every peering point in the nation. The more backbones, the shorter the distance between servers and customers, the faster the response time.

Simple, Low-Cost Solution

The simplicity of the SEMS design, coupled with its low cost, make it ideal for any storage facility. Losing thousands of dollars worth of inventory due to a water leak or temperature issue is much more expensive than the low price of our SEMS solution. This simple solution pays for itself with one catastrophic alert.

Once you purchase your monitoring devices and probes, we include everything else in your low SEMS subscription fee. We will provide training, support, demos – anything you need to set the environment that is right for you.

Schedule a Demo

Contact us for a real-time, online demonstration. Call (800) 633-1033 to schedule an appointment with one of our SEMS Sales Managers.

Buy Only What You Need

Sensatronics provides a variety of products to help you build the best solution to meet your needs. From refrigerators to data centers, with Sensatronics you can monitor the temperature, humidity and/or leak detection of any number of devices with a single solution.

Our Hardware

All of our monitors are available with Ethernet connectivity and include an internal Web server. Depending upon the model, the devices can accommodate up to 16 probes from a single monitor. All models are capable of displaying temperature results in Fahrenheit or Celsius, and all are within 0.5°F accuracy. The monitors' exterior dimensions measure 4¼" x 3¼" x 1⅜" (10.8cm x 8.3cm x 3.49cm) and weigh about 0.35 pounds.



Our standard temperature monitors measure temperatures from -40°F (-40°C) to +140°F (+60°C). For deep-freeze requirements, we also carry a line of cryogenic monitors and probes that measure down to 139°F (-95°C). And for those requiring temperature, humidity and leak detection, we also carry an environmental monitoring device that measures all three conditions.

Probes are priced separately, allowing you to purchase just what you need according to the device(s) you are monitoring. Our probes come in standard and heavy duty varieties of varying lengths. Custom lengths are also available.

Our NIST Certification

All of our monitors and probes are NIST capable. NIST traceability, using a five-point calibration process, is available for an additional fee. Accuracy is documented with an NIST certificate and calibration report.

Our Software

SEMS monitors activity from a particular device (a refrigerator, for example) through a probe, and then sends data to the SEMS server which tracks utilization and compares the reported data against thresholds that you define. Status, including alerts and alarms, is then broadcast via a desktop graphical user interface (GUI). This GUI displays the results in an easy to read format that allows any (or all) of your staff to easily view the overall status of your environment via the Internet – or even to receive immediate alerts.

SEMS resides on *our* secure servers and is managed by *our* resources. Basic support and hosting costs are included in your subscription fee – no need for you to invest additional time or resources in supporting the service infrastructure.

Our Service and Support

Our highly skilled staff provides extensive online customer support throughout the life of your Sensatronics system. We are happy to answer questions, provide online training, or help you configure changes to your device thresholds. And as a Sensatronics customer you will be able to take advantage of the many special offers and promotions offered throughout the year.

Contact Us

Please call us at (800) 633-1033 for further information, or to have one of our SEMS Sales Managers configure a customized solution for you.

The Technical Details

We encourage you to review these technical details with your IT support team and then invite them to join you at one of our real-time, online demonstrations. Technical teams love our solutions because they can be installed and running in minutes.

We offer three types of devices to meet a variety of monitoring needs – temperature only, low-temperature, and environmental which monitors temperature, humidity and leak detection. All of our devices are NIST capable and come with a two-year limited warranty – extended warranties and NIST certificates are available at an additional cost.

EM1 Environmental Monitor	CM16 Cryo Monitor	E4/E16 Temperature Monitors
		
<ul style="list-style-type: none"> Monitors temperature, relative humidity and leak detection Measure temperatures from -40°F to +203°F, humidity from 0% to 100%, and leak detection on a scale from 1 to 100 Up to four ports for each condition 	<ul style="list-style-type: none"> Monitors deep-freeze temperatures Measures temperatures from -139°F to +77°F Equipped with 16 ports 	<ul style="list-style-type: none"> Standard temperature monitoring Measures temperatures from -40°F to +140°F Available in 4-port and 16-port models

All of our monitors are equipped with the following features

- Network connection via Ethernet hub or switch
- Internal Web server
- Average of 5-second measurement intervals
- Fahrenheit or Celsius unit
- RS232C (25-pin female D connector)
- Power supply of 9VDC @250mA
- Within 0.5F° accuracy
- Mounting flanges
- Light weight – about 0.35 lbs
- Compact size – 4¼” x 3¼” x 1⅜”

Probes

Probes are priced separately to allow you to purchase just what you need according to the number of devices and/or locations that you are monitoring. Along with our standard temperature probes, we have probes designed for low temperature cryogenic monitoring, as well as combination temperature/relative humidity and specialty wetness probes. Our probes come in standard and heavy duty varieties of varying lengths. Custom lengths are also available.

Contact Us

Please call us at (800) 633-1033 for further information, or to speak with a SEMS Technical Support Specialist.

