

Environmental Monitoring for Pharma

Enterprise-wide visibility for multi-site pharma and biotech facilities.

For Pharma and Biotech, real-time monitoring of temperatures, humidity and differential pressure of cleanrooms and stability chambers for formulation, production, and storage is essential to ensure compliance and product safety, while preventing product loss. Whether the need is for formulation, production, or warehoused storage, CenTrak's smarter wireless environmental monitoring solution enables these facilities to maintain the required critical parameters to ensure the proper storage of raw materials and finished products while automating data collection and ensuring regulatory compliance.

Why Automate?

Manually recording the critical measured parameters of pharmaceutical and biotech facilities can lead to inconsistent data collection, unsafe storage, and product loss. Automated environmental monitoring systems are easy to use and configurable, allowing the user to automatically monitor and document a range of information such as temperature, humidity, CO₂, differential pressure, particle counting, and more. At the application-level users can view entire facilities and every monitored point throughout the production process making it easy to identify problematic areas and retrieve data. Users may also receive alarm notification via phone, email, and text in the event of an excursion.

CenTrak's temperature and environmental monitoring system can generate a variety of useful reports and graphs to easily retrieve and review data. Customizable options allow the end user to set the monitored parameter ranges and designate the alert method used.

Compliance Benefits:

CenTrak's temperature and environmental monitoring solution is designed to simplify conformity with all applicable industry standards.



CenTrak's Environmental Sensor can provide immediate alert notifications differential pressure limits and temperature and humidity limits are exceeded.



Pharma and Biotech



Maintaining proper parameters is critical to safeguarding and protecting product, while also preventing product loss. A CenTrak environmental monitoring system provides a solution to ensure that all critical parameters such as temperature, humidity, pressure, and more are being properly maintained at all times while ensuring regulatory compliance.

- NIST certified sensors with full system IQ/OQ and documentation
- Communicates with existing Wi-Fi infrastructure and CenTrak-installed dedicated network
- Customizable reporting rates
- Low power consumption for long battery life
- Collection and onboard storage of data (1 month at 15 minutes) even when out of network
- + / - 0.5 °C accuracy
- Covers temperature range from -200 °C to 200 °C
- Customizable alerts: email, phone call, text, flashing strobe

Environmental Monitoring for Pharma



Cleanrooms

- Differential pressure
- Temperature and humidity
- Particle counting



Stability Chambers

- Temperature and humidity
- CO₂



Warehouse/finished product storage

- Ambient temperature
- Ambient humidity



Regulatory compliance

- Full IQ/OQ with documentation
- NIST calibrations

Product Portfolio

Environmental / Temperature Sensors



Temperature Only Sensor



Ultra-Low Temperature Sensor



Liquid Nitrogen Sensor



CO₂ & Temperature Sensor



Ambient Temperature Humidity Sensor



LN₂ Probe



Digital Temperature Probe



CO₂ & Temperature Probe



For more information please visit our website www.centrak.com, email us at marketing@centrak.com or call us toll-free at **800-515-2928**.

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