

# FUTURE-PROOF YOUR **Pharmaceutical Monitoring System**



# PHARMACEUTICAL MONITORING SOLUTIONS

## For Medication Potency

The pharmaceutical industry holds a responsibility to safeguard precious medications. Whether you are monitoring temperature, humidity, differential pressure, or more, SensoScientific's remote monitoring system includes a wide range of sensors for every parameter and application. Our data logging system ensure you are meeting GxP, ISO/IEC 17025, USP, and 21 CFR Part 11 compliance. This way, you can focus on delivering the most potent medication possible throughout every step of the supply chain.



### EXCEED COMPLIANCE STANDARDS

Meet GxP, ISO/IEC 17025, USP, and 21 CFR Part 11 regulatory requirements and make meeting compliance the easiest part of your day.



### PREVENT ASSET LOSS

Stop throwing away expensive medication and start knowing the moment critical environments threaten potency loss in real-time.



### VALIDATE COLD CHAIN EFFICACY

Monitor pharmaceutical products from manufacturing to distribution and ensure your cold chain remains cold.



BioPharma



Manufacturing



Distribution

# COMPLIANCE AUTOMATION EXPERTS

Let us worry about meeting your compliance standards. SensoScientific provides a comprehensive solution to meeting regulatory requirements, no matter how strict.

## IMMEDIATE ALERT NOTIFICATIONS

Receive notifications the moment temperature fall outside the desirable range. Twenty-four hours a day, seven days a week, alerts are sent via email, phone, text, SMS, pager, fax, and more!

## A2LA ACCREDITED CALIBRATION LAB

Our in-house ISO/IEC 17025 certified and A2LA Accredited Calibration Lab sends NIST traceable probes to your facility and automatically uploads new calibration certificates to the SensoScientific Cloud for immediate use.

## GOVERNMENT-GRADE VALIDATED CLOUD PLATFORM

In partnership with the Microsoft® Azure cloud platform, SensoScientific utilized government-grade security to provide unparalleled reliability.

## IQ OQ PQ VALIDATION

At your request, the SensoScientific Technical Support Team comes on-site to install devices and authenticate installation, operational, and performance quality according to IQ OQ PQ validation standards.

## COMPLIES WITH

- ✓ A2LA (American Association for Laboratory Accreditation)
- ✓ FDA 21 CFR PART 11 (ERES)
- ✓ CDC (Center for Disease Control and Prevention)
- ✓ ISO/IEC 17025
- ✓ VFC (Vaccines for Children) Programs
- ✓ NIST (National Institute of Standards and Technology)
- ✓ ISO/IEC 9001
- ✓ JCAHO (The Joint Commission on Accreditation of Healthcare Organizations)
- ✓ USP (United States Pharmacopoeia)
- ✓ IQ OQ PQ Validation
- ✓ CDC Storage and Handling of Vaccines
- ✓ WHO (World Health Organization)
- ✓ State Board of Health
- ✓ FDA (Food and Drug Administration)
- ✓ DSCSA (Drug Supply Chain Security Act)
- ✓ cGMP (Current Good Manufacturing Practices)
- ✓ GDP (Good Distribution Practices)
- + And More!

# TEMPERATURE MAPPING VALIDATION

SensoScientific provides a comprehensive Mapping Validation service, so you don't have to worry about meeting 21 CFR Part 11, cGxP, WHO, and USP compliance standards. There are a lot of factors that affect warehouse temperature inconsistencies. SensoScientific's industry-leading expertise on environmental monitoring, compliance automation, and mapping validation ensure all variables are considered and accounted for so you meet compliance with ease.

1

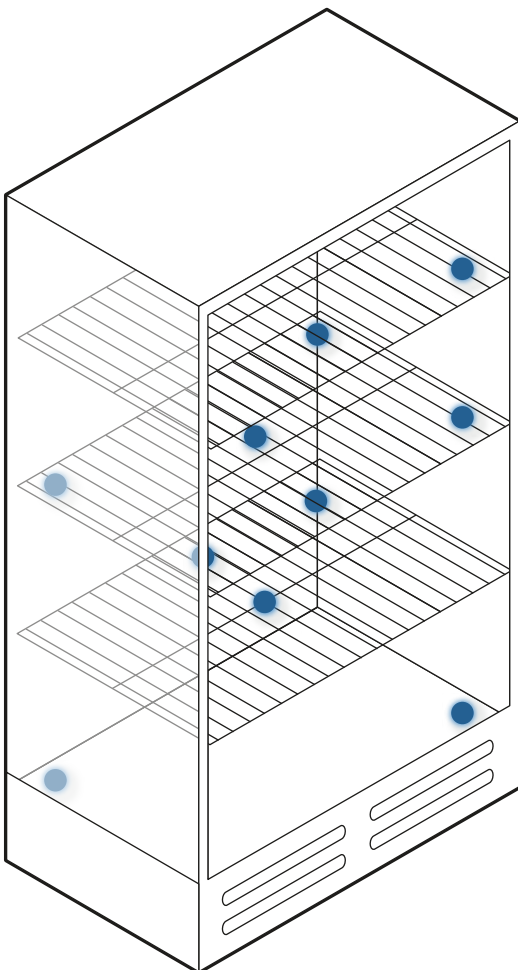
## EVALUATE REQUIREMENTS

2

## IMPLEMENT MAPPING STRATEGY

3

## ANALYZE RESULTS



**To evaluate whether warehouse condition are homogeneous, consider the following:**

- ✓ Storage locations placed towards ceilings or walls may be warmer or cooler than the compared ambient space.
- ✓ Natural temperature fluctuations occur with air buoyancy, stack effect, air movement, and heat flow.
- ✓ Proximity to heaters, coolers, fans, and vents can cause concentrations in temperature readings.
- ✓ Storage shelves, racks, and pallets may cause obstructions to airflow and temperature variance.
- ✓ High traffic areas, such as doorways, loading docks, or staging areas, may affect airflow as cool air or heat escapes the storage area.



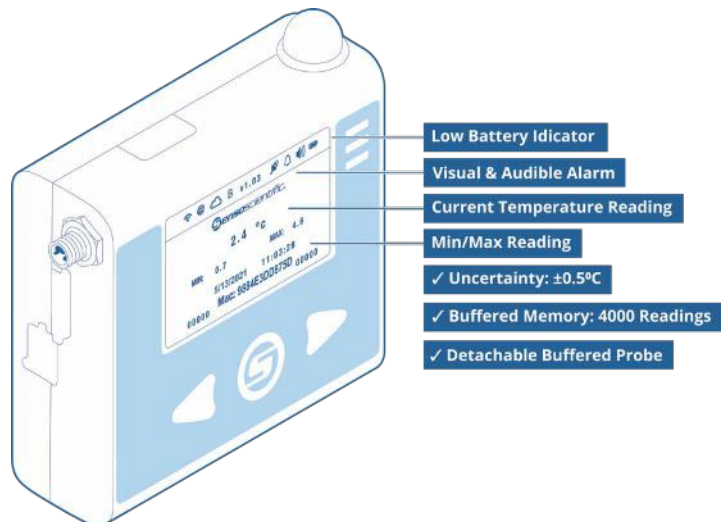
# 100% CDC/VFC COMPLIANT

## In Every State



This all-in-one, CDC and VFC compliant system streamlines the task of meeting regulatory requirements. Data is perpetually stored in the Microsoft® Azure cloud platform, accessible from any internet-ready device. Data loggers come equipped with onboard features that ensure seamless compliance automation.

- ✓ Digital Display
- ✓ Detachable Probe in Thermal Buffer
- ✓ Current, Min, and Max Display
- ✓ A2LA & NIST Calibration Certificates
- ✓ Accuracy  $\pm 0.5^{\circ}\text{C}$
- ✓ Audio and Visual Alerts on Device
- ✓ Low-battery Indicator
- ✓ Buffered Memory: 4000 Readings
- ✓ Immediate Alert Notifications
- ✓ Push Button for Real-Time Readings
- ✓ Dual Power - Battery/AC Power
- ✓ In-house ISO/IEC 17025 Certified Calibration Lab
- ✓ FDA 21 CFR Part 11 Compliant



# A2LA ACCREDITED CALIBRATION



## A2LA ACCREDITED & NIST TRACEABLE

SensoScientific's A2LA Accredited Calibration Lab provides NIST traceable probes and uploads calibration certificates to the SensoScientific Validated Cloud for immediate use. Through the SensoScientific Validated Cloud, you can view, print, and download your current and archived certificates - they are always accessible!

## SNAP CALIBRATION

SensoScientific's SNAP Calibration program is a convenient and cost-efficient solution to meeting regulatory compliance. SensoScientific automates calibration requirements by sending newly calibrated, NIST traceable, and A2LA Accredited probes and devices in the mail, then uploading your calibration certificates to the SensoScientific Validated Cloud.

## SENSOCAL ON-SITE CALIBRATION

SensoScientific's On-site Calibration Service is the next level of personalized calibration. With this service, our ISO/IEC 17025 certified Calibration Technicians go straight to your doorstep to recalibrate probes, perform device diagnostics, and prepare on-the-spot A2LA Accredited and NIST traceable calibration certificates for immediate use.



# SENSOSCIENTIFIC VALIDATED CLOUD

## FDA 21 CFR Part 11 Compliant

In partnership with the Microsoft® Azure cloud platform, SensoScientific utilizes government-grade security to provide unparalleled reliability. SensoScientific Validated Cloud services include LDAP Single Sign-on and Fail-over Disaster Recovery at client's request.

- ✓ LDAP Single Sign-on
- ✓ Fail-over Disaster Recovery

### IMMEDIATE ALERT NOTIFICATIONS

Through the SensoScientific Validated Cloud, you can customize alert notification preferences to receive real-time, immediate notifications as soon as readings fall outside the desirable range. For sensitive materials, this can prevent thousands of dollars in inventory loss.

- Email
- Voice
- Text
- SMS
- Fax
- Pager

### COMPREHENSIVE REPORTING

Say goodbye to bulk data downloads and downtime to receive documented data. The SensoScientific Cloud has every report option you need to meet compliance, available for immediate use.

- Monthly, Weekly, & Daily Reports
- Two-Point & Monthly Compliance Reports
- Automatic Reports Sent via Email
- Alert, Root Cause, & Corrective Action History



# SENSOTAG-VACCINE

## In-Transit Temperature Monitoring

### Superior Vaccine Temperature Monitoring from Transport to Storage

The SensoTag-Vaccine series brings effortless compliance automation to cold chain logistics. These easy-to-use data loggers can be placed in vaccine refrigerators, insulated containers, and anywhere critical vaccine temperature monitoring is required.

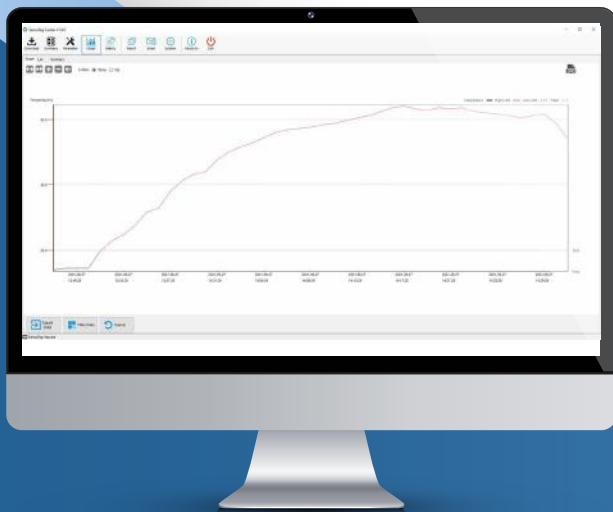
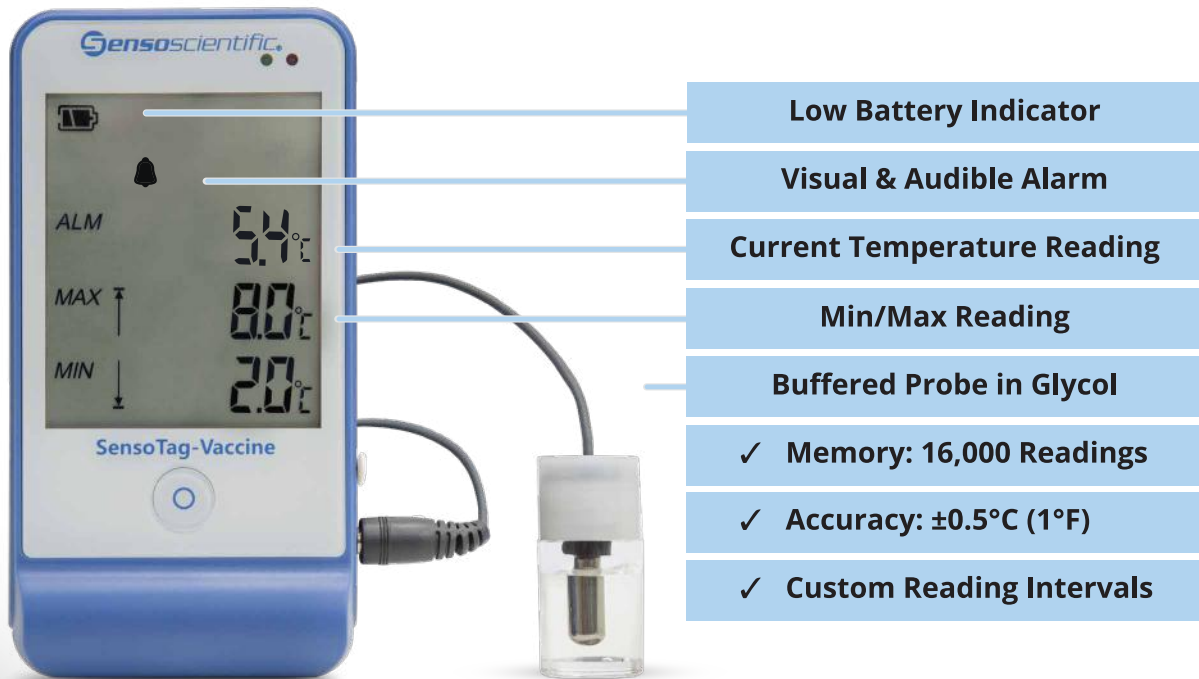
- ✓ Readings between -40°C to 85°C
- ✓ Automatic Reading Interval Escalation
- ✓ CDC & VFC Compliant
- ✓ NIST Traceable Calibration Certificate Included





# 100% CDC & VFC Complaint

This comprehensive data logging solution makes it easy to meet CDC & VFC vaccine storage and handling recommendations throughout cold chain logistics.



## SensoTag Center

Customize data logger settings, view temperature readings, generate comprehensive reports, and more from the SensoTag Center.



# MORE THAN TEMPERATURE

## An Enterprise-Wide Solution

SensoScientific is an enterprise-wide solution equipped with a wide range of sensors to meet all your environmental monitoring needs. Nodes are Wi-Fi compatible, designed to piggyback off your existing Wi-Fi network. Nodes measure data locally then upload readings to the SensoScientific Validated Cloud for comprehensive visibility and report generation. 24/7 customizable alerts & notifications let you know the moment data goes out of range.



**TEMPERATURE**

**HUMIDITY**

**DIFFERENTIAL PRESSURE**

**LIGHT**

**DRY CONTACT - OPEN/CLOSE**

**UNIVERSAL**

**+ MORE**

### Key Features:

- ✓ Wi-Fi Compatible
- ✓ On-board E-ink Display
- ✓ Current & Min/Max Readings
- ✓ Real-Time Alerts Notifications
- ✓ A2LA Accredited & NIST Traceable Calibration Certificates
- ✓ Push Button for Real-Time Readings
- ✓ Audio and Visual Alerts on Device
- ✓ No Propriety Software
- ✓ Buffered Data up to 4000 Readings
- ✓ Dual Power - Battery/AC Power
- ✓ Multi-Led for Connectivity Status
- ✓ Lowest Total Cost of Ownership
- ✓ FDA 21 CFR Part 11 Compliant

# EXPERT TECHNICAL SUPPORT

## No Matter Where You Are

SensoScientific provides the highest level of support to our partners around the world throughout every stage of your experience with us.

- ✓ 24/7 Support
- ✓ Interactive Ticket Submission
- ✓ Online Training Videos
- ✓ Weekly Webinars
- ✓ User Guides & Documents
- ✓ On-site Installation & Training
- ✓ Convenient SNAP Calibration
- ✓ Carefree+ Membership Exclusives



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## IoT Solutions & Compliance Automation Experts

Since 2005, SensoScientific has been at the forefront of Internet of Things (IoT) technology and innovative environmental monitoring. We focus on providing superior products, services, and calibration to meet regulatory standards and improve operational efficiencies to meet compliance.

As the preferred environmental monitoring system for prominent healthcare facilities, laboratories, pharmacies, IDNs, GPOs, universities, and restaurants across the U.S., our fully automated monitoring system meets even the strictest of regulatory requirements. Our ISO/IEC 17025 certified and A2LA Accredited Calibration Lab provides NIST traceable probes and automatically upload Calibration Certificates to the SensoScientific Cloud for immediate use.

Our headquarters are in Simi Valley, CA but our products can be found around the world.



**SensoScientific**®

[www.sensoscientific.com](http://www.sensoscientific.com)