

Data Logger Policy and Procedures

September 2026

The Immunization Program provides SensoScientific Digital Data Loggers for any unit permanently storing state-supplied vaccines. These devices monitor vaccine storage unit temperatures and upload them to the cloud. In addition, the program provides one logtag devices conditioned to the refrigerator as a backup data logged. These devices require manual download and paper temperature logs.

This document outlines the Immunization Program and Medical Provider responsibilities and highlights the basic operations of the SensoScientific and Logtag devices.

If you need help accessing or understanding this information, contact

AHS.VDHImmunizationProgram@vermont.gov.

Immunization Program Responsibilities



- Both SensoScientific and Logtag devices are provided free of charge by the Vermont Immunization Program to all Vermont Child Vaccine Program (VCVP) and Vermont Adult Vaccine Program (VAVP)-enrolled practices to monitor temperatures in vaccine storage units.
- Recalibration every two years, ongoing maintenance, and technical support will also be provided.
- These digital data loggers are the property of Vermont Immunization Program and practices are obligated to return the devices if they disenroll from the VCVP or VAVP programs.

Provider Responsibilities

SensoScientific

- Practices are required to record the daily minimum and maximum temperature readings by using the SensoScientific cloud to audit the nodes (see next page).
- Each practice is required to designate a minimum of two people – a primary and a backup - who will assume responsibility for managing the data loggers on daily basis.
- Practices may have as many users with access to SensoScientific as needed. Each user must have their own unique email address. The Immunization Program is responsible for granting users access to the system.



HealthVermont.gov
802-863-7638



- ## LogTag

- ## Daily Tasks

- Login to the cloud system at <https://cloud.sensoscientific.com> to audit the nodes. It is recommended that at least two people do this daily.
- Review the temperature readings for the past 24 hours by clicking on the 24 hours graph button.
- Assume responsibility for responding to alarm notifications.

LogTag

- ## AUDIT NODES

Confirm that you have viewed a node's current status.

 - 1 Select the **"MONITORING"** tab in the main menu.
 - 2 Mark the **checkbox** in the rightmost column of the node(s) you want to audit.
 - 3 Click the **"Audit Node"** button at the bottom of the page.

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ALARM
MONITORING
REPORT
CONFIGURATION
CALIBRATION
HLP

Current Status
 Battery Status
 Reset Min/Max

Current Status

2

Node Name	Model ID	Location	Latitude	Longitude	Altitude (m)	Apexes (m/s)	Water	Height	Last updated	Water Status	Connectivity Status	Alarm Status	Notification Status
Flowmeter	Flowmeter	Flowmeter	52.0000	5.0000	10.0000	10.0000	10.0000	10.0000	2023-01-01 10:00:00	Not Active	Disconnected	Active	Active
Flowmeter	Flowmeter	Flowmeter	52.0000	5.0000	10.0000	10.0000	10.0000	10.0000	2023-01-01 10:00:00	Not Active	Disconnected	Active	Active
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Data Logger Operation

The data logger settings are as follows:

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5. An audible alarm will sound for data alarms, signal alarms and battery alarms, unless this feature has been disabled. Learn about alarm types on the next page.
6. Email notifications will be sent in 30-minute intervals (maximum: three emails).

Logtag is a non-cloud-based device which is why we only use it during transports, clinics and when the primary device is malfunctioning. All logtags configured to a refrigerator with your practices PIN. To review the temperatures you will need to download the data using your cradle. This is also the only way to stop an alarm is to download the data re-configure the device which puts it back in the ready position.

SensoScientific Alarms



Signal Alarm

Lost internet connection. The device should reconnect once internet is back but not always. If longer than 4 hours, contact the Immunization Program at ahs.vdhimmunizationprogram@vermont.gov for instructions and assistance.

No action is required outside standard hours of operation.



Data Alarm

Temperatures are out of range. The alarm will occur if the unit has been out of range for 45 minutes. Mark all vaccines in the unit “Do Not Use” and contact the Immunization Program for further instructions.

After hours: contact the on-call person at 802-863-7240 Option 2 for guidance if you need to use the vaccine before the next business day. We will not ask you to move vaccines to a different location during the night.



Battery Alarm

Batteries in the device are running low. The senso should be plugged into the wall and not running off batteries. The practice is responsible for purchasing replacement batteries. Data loggers use four 1.5V AA lithium batteries.

Replace batteries on the next business day. If you need help with replacing the batteries, contact the Immunization Program.



Do not confirm the alarm until the issue has been resolved or the maximum 3-alarm notification will start again flooding your inbox/call/text with additional notifications.



Audible Alarm

If the audible alarm is enabled, then the data logger will sound for the above noted reasons. Press the middle button to temporarily turn it off or login to the SensoScientific cloud system to permanently turn it off. **DO NOT** switch off or unplug the SensoScientific device.