



LAB.GEN.12.0 Senso Temperature Monitoring

STATEMENT OF PURPOSE

SensoScientific laboratory temperature monitoring system monitors the operating parameters of storage appliances, temperatures, humidity, and CO₂ levels in freezers with different probe types. The transmitter passes information to a standard access point which can be accessed by any Wi-Fi-enabled network. Each transmitter monitors against preset conditions that are defined by the user and can provide audio and visual alerts. Additional alerts can be provided through a variety of methods such as SMS, text message, voice, pager, cell phone, fax and e-mail. Information recorded (in °F and °C) to the database is time-stamped and cannot be altered through the user interface.

SensoScientific offers a streamlines remote temperature monitoring system with the integrity to meet the stringent needs of regulatory bodies such as the FDA, AABB, CAP, Joint Commission, NIST and more.

OWNERS

Director of Laboratory Operations

EQUIPMENT

SensoScientific B10-200B Transmitter
AA 3.6V Lithium Battery

CALIBRATION

Annual calibration includes replacing each transmitters' probe with a newly calibrated probe. Calibration certificates from SensoScientific are kept on the website and can be easily accessed by selecting Calibration on the toolbar.

PROCEDURE

A. Responding to an Alarm

Complete the following steps after being alerted to an alarm on a transmitter device.

1. Log into the following website:
<https://cloud.sensoscientific.com>
2. Log in as the following user (User name and Password are the same)
 - Chemistry = REGCHEM
 - Cytology = REGCYTO
 - Hematology = REGHEM
 - Immunology = REGIMM
 - Microbiology = REGMICRO
 - Molecular = MOLECULAR
 - Special Coagulation = REGCOAG
 - Specimen Management = SPECMGMT
 - Logistics = LOGISTICS
 - Supply Chain = REGSCM



Senso Temperature Monitoring

3. Click on the tab for MONITORING.
 - a. View all Yellow or Red items. Yellow means value is out of range but has not yet alarmed. Red means an unconfirmed alarm exists and requires immediate attention.
 - b. If the temperature is still out of range, something must be adjusted in order to bring the item back in range (if you confirm the alarm at this time, you will get another alarm since it is still out of range). If the alarm continues, notify a lead tech or manager.
 - c. Once the item says in range, then the alarm can be confirmed.
 - d. To confirm an alarm, click on the [ALARM] tab, click the [Confirm Alarm] check box (if there are multiple alarms, click the Confirm Alarm box in the header), click the [Confirm] button above, choose a root cause from the drop down tab, enter a comment for the temperature adjustment in the corrective action box along with your initials, and click on Confirm.
 - e. Out of Temperature Alarms can be set up to the following department phone numbers:
 - Chemistry/Special Chem 803-0024
 - Cytology 803-0385
 - Hematology 803-0034
 - Immunology 803-0180
 - Microbiology 803-0050
 - Molecular 803-0252
 - Coagulation 803-0410
 - Specimen Management 803-0014
 - Logistics 803-1020
 - Supply Chain 803-0057

Note: Other phone numbers and/or emails can be setup for system contact avenues.

Suspending an Alarm

If storage unit is out of service, please complete the following steps to suspend alarms on this unit until service or repairs have been made.

1. Remove all items from storage unit and relocate them to another storage unit that is functioning properly.
2. Complete steps 1 and 2 from section A.
3. Click on the MONITORING tab.
 - a. Identify out of range device.
 - b. Under Alarm Status, click the alarmed button.
 - c. Select the most recent Data alarm and click on the Take Action button.
 - d. Under the corrective action box you are prompted by "Is the equipment working properly". Select No.
 - e. A suspend duration box will appear.
 - f. Select 24 Hours. (If unit is not repaired within the 24 hours, repeat process each day until unit is working properly.)
 - g. Select Suspend button.

B. Reviewing Monthly Reports

End of month reports are to be reviewed and saved by Supervisors. These reports need to be completed by



Senso Temperature Monitoring

the 5th day of each month.

1. Log into the following website: <https://cloud.sensoscientific.com>
2. Click on Report tab.
3. Click on Two Point Monitoring. Enter a start and end date.
4. Click Show report.
5. Export this report in an Excel document.
6. Review and Sign report.
7. Save to the S: //drive in your specific department SensoScientific Folder.
8. Repeat the above steps with the Corrective Action Report.
9. You also have the option to have this report emailed at the end of the month.

C. Corrective Action

1. The transmitter default to alarm will be set at 60 minutes post unit being out of range.
2. If unit is not back within range a re-alarm will occur after another 60 minutes have passed.
3. If troubleshooting methods have not helped and service needs to be called, move products from unit to another unit in the building.
4. Suspend unit until service or other methods are completed (see procedure above).
5. After unit has been serviced and/or is working, wait long enough for the unit to return to the appropriate temperature and to monitor that the unit is working properly before returning products to the unit. Note: Sometimes it can take as long as 24 hours for a refrigerator/freezer to cool to the desired range.

PROCEDURE NOTES

Possible types of alarms:

1. Data Alarm- There is a temperature out of range.
2. Battery Alarm- This is if MACL loses power and the back-up batteries need to be used. Replacement batteries will be stored in Materials Management (MUST be a AA 3.6V Lithium Battery)
3. Signal Alarm- The signal to the cloud is not strong enough, reset the radio connection by clicking the OK button on the transmitter device.
4. For technical questions of SensoScientific call 1-805-915-4465 OR 1-800-279-3101 or email support@sensoscientific.com.

REFERENCES

SensoScientific website www.sensoscientific.com