



# FreezeAlert™

## Clear and precise temperature indication for freeze-sensitive goods

### The validated alternative to chemical freeze indicators

Enable immediate accept-reject decision making for freeze-sensitive pharmaceuticals with the accuracy and reliability of an electronic temperature indicator.

- One low, single-event, factory-set alarm
- Custom time and temperature threshold alarm settings tailored to your specific product needs
  - Temperature threshold value from  $-5^{\circ}\text{C}$  to  $+5^{\circ}\text{C}$  ( $23^{\circ}\text{F}$  to  $41^{\circ}\text{F}$ )
  - Time threshold values 0, 15, 30 or 60 minutes
- Easy-to-read digital display enables unambiguous decision making
- Accuracy tested to NIST® traceable standards for quality assurance
- Designed for single-use monitoring applications up to 36 months
- Field activated via integrated start button
- Requires no pre-conditioning or controlled shipping/storage conditions prior to start
- World Health Organization PQS IN03 pre-qualification



Reliable  
Accurate  
Validated



| Specifications            |  |
|---------------------------|--|
| Operating Range           | -20 to 55 °C (-4 to 131°F)   |
| Operating Life            | 90 day or 36 month models  |
| Shelf Life                | 12 months prior to activation  |
| Accuracy                  | ±0.5°C from -6.5°C to 6.5°C<br>±0.9°F from 20°F to 44°F                            |
| Alarm Setting             | -5.0°C to 5.0°C in 0.5°C increments<br>0, 15, 30, or 60 minutes (Single Event)     |
| Size, Weight              | 51.5 mm x 35 mm x 10 mm, 14g<br>2.0" x 1.4" x 0.4", 0.5 oz.                        |
| Display (Liquid Crystal ) | "√" if activated and no alarm triggered<br>"X" if activated and alarm is triggered |
| Startup Delay             | None   |
| Measurement Interval      | 1 minute   |
| Enclosure Protection      | IP64 (per IEC529)  |
| Activation                | Momentary switch, 3 second contact   |



## How FreezeAlert™ Indicators Work

Each FreezeAlert™ indicator is factory-set with a low single event time/temperature alarm tailored to the unique requirements of your product.

The alarm is triggered if the temperature remains below the threshold setting for a continuous time period exceeding the time threshold setting.



Not alarmed



Alarmed

Sensitech Inc. is focused on delivering supply chain visibility solutions that track, monitor and protect products for global leaders in the food, life sciences, consumer goods, and industrial markets. Our solutions are focused in three key areas: quality and compliance, supply chain security, and logistics performance management. Quality and compliance solutions address temperature-sensitive, complex supply chains focused on delivering the highest quality possible, while our supply chain security solutions help to mitigate risks associated with theft, diversion and chain of custody. Sensitech's logistics performance solutions deliver origin-to-destination, real-time transparency to any in-transit journey. Sensitech Inc. is an ISO 9001:2008 company, headquartered in Beverly, Mass., with more than 35 sales, service and distribution locations around the world. Sensitech is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp., a leading provider to the aerospace and building systems industries worldwide. Visit [www.sensitech.com](http://www.sensitech.com) for additional information. © 2017 Sensitech Inc. All Rights Reserved. Unless otherwise indicated, all trademarks and service marks are the property of Sensitech Inc. NIST is a registered trademark of The National Institute of Standards and Technology Agency of the United States Government.