



## HIGH QUALITY STORAGE FOR SENSITIVE PRODUCTS

*Safetec products protect workers who are exposed to many infectious diseases during their working hours.*



These workers include doctors, nurses, technicians, laboratory workers, first responders, maintenance, security, and many others. In order to protect everyone that comes into contact with potentially hazardous infectious material, Safetec developed and manufactures several lines of products that can combat the spread of infectious diseases.

The team at Safetec follows exemplary quality control procedures when developing and manufacturing all their products, and complies strictly with standard FDA and EPA regulations.

Safetec selected Rotronic for monitoring their recently upgraded warehouse for temperature and humidity. The ability to check the environmental conditions of the warehouse, both near-term and to verify the proper operation of the upgrades was important for long term

quality assurance. The Rotronic Service Team developed a mapping plan that would provide data for temperature and humidity for the warehouse areas.

The facility was inspected by Rotronic with a focus on potentially hot and cold zones. Loggers were deployed with these areas in mind with the loggers positioned evenly throughout the facility in a three-dimensional pattern.

**" Rotronic offered an outstanding customer service."**

Laurie Ramsey  
Safetec, USA

There were several goals for the temperature and humidity mapping. Hot and cold zones would be identified. These hot and cold zones would provide a „worst case

scenario“ for the impact on the stored Safetec product and materials. The mapping effort would also provide the best locations for the long-term permanently installed Rotronic monitoring system. Rotronic deployed the HL-1D loggers amongst the stored product for the mapping study.

The study was a two-week study conducted during the historically hottest time of the year for their Buffalo NY facility. The data was collected and a report of the data was generated to verify that a high quality storage environment is maintained for Safetec’s materials and products.

For the long term permanent monitoring system, a wireless system was selected which would reduce installation costs and would make the system more flexible in the future. The highly accurate LOG-HC2-RC logger would make the system easy to reconfigure logger locations based on changing warehouse needs. Rotronic monitoring software was deployed for capturing data both in real time and to upload the logger’s locally saved file history.

Laurie Ramsey states: „Safetec of America chose Rotronic for its warehouse monitoring system since it offered great flexibility, reliability and outstanding cus-

tomers service. Rotronic performed warehouse mapping to ensure critical humidity and temperature data was being captured. We used the mapping data results to confirm that the daily humidity and temperature probes were placed in the correct locations. We now have a great monitoring system that is dependable and also complies with FDA requirements.“

#### **Safetec of America, Inc.**

Safetec is a U.S. infection control and first aid product manufacturer, which strives with a team of 100 highly qualified employees to keep workers safe from cross-contamination of infectious diseases.



#### **HygroLog HL-1D**

The HL-1D is a compact, inexpensive data logger capable of  $\pm 3.0$  %RH and  $\pm 0.3^{\circ}\text{C}$  accuracy. The internal memory can store up to 32,000 lines.

