WAY 4

Integrated Temperature Monitoring to Support Safe Storage of Vaccines and Medications With Helmer Scientific

Continuous monitoring offers safety and security of stored product.

President & CEO:	Bruce King
Vice President of Sales & Marketing:	Lori Gabrek
Founded:	1977
Employees:	300
Toll-Free Phone:	(800) 743-5637
Phone:	(317) 773-9073
Address:	14400 Bergen Boulevard, Noblesville, IN 46060
Website:	www.helmerinc.com

Company Background

Helmer Scientific is a manufacturer and worldwide distributor of medical-grade cold storage and laboratory processing equipment. We have over 40 years of experience in providing high-quality temperature-controlled environments, with our products used in over 130 countries throughout the world. We serve customers from our US-based headquarters, which also houses our R&D center and advanced FDA GMP manufacturing operation. Helmer is an industry leader for pharmacy and vaccine cold storage solutions.

Product Overview

i.Series® takes Helmer's GX Solutions medical-grade refrigeration to the next level. Featured on i.Series® temperature-controlled storage products, the i.C3® Information Center provides intelligent diagnostic information and temperature data, while providing security features to keep the information safe. It consolidates everything you need to know about the status of your storage device in one secure location. With the i.C3®, you can monitor and optimize performance with just a finger stroke. Want to know who's been opening the door? Simple, check the Access Control Log. With intuitive prompts and messages, it's never been easier to set parameters, track performance, and download storage data.

The i.C3® Information Center is integrated into i.Series® medical-grade refrigerators and -30°C freezers, as well as ultra-low freezers. Whether you're storing vaccines or medications, it's critical to have constant monitoring to ensure uniform temperature throughout the space — safeguarding the integrity of the stored items.

The i.C3 Information Center enables users to conveniently monitor unit performance, address alarms and alerts, and view and download historical temperature data. The i.C3® Information Center can also help facilities and vaccine providers meet CDC guidelines for vaccine storage and Vaccines for Children (VFC) requirements.

Features & Options

■ **System Status Console:** Monitor the status of the unit with one quick glance at the touch screen home screen, including: current temperature and alarm conditions; minimum and maximum temperatures; unacknowledged alarms; and historical temperature data.

■ **Interactive Temperature Graph:** When you need more information, the interactive temperature graph provides a visual history of performance with shortcuts to the Event Log for more detailed information including:
- The One Touch Quick Info feature, which enables users to touch graph for point-in-time detail.
- A zoom feature, which provides a close-up of a selected time period.
- Jump forward and back buttons can access two months of data.

■ **Event Log and Detail Screen With Event Acknowledgement:** The 100 most recent events can be viewed on the Event Log screen. Simply touching an event enables users to drill down to specific information on the Event Log Detail screen, including:
- Alarm type.
- Start and end date/time of alarm.
- Monitoring and compressor probe maximum and minimum temperatures during the event.
- i.ACT™ Event Acknowledgement function captures corrective action with signature, date, and time-stamp.

■ **Min/Max Display and Reset:** This display shows the highest and lowest temperature occurrence right on the home screen. This function is especially helpful for vaccine storage applications.

■ **Data Transfer Center:** Data is simply downloaded via the USB port in the side of the i.C3® Information Center. Extended downloading capabilities and formats offer:
- Up to three months of graphs and log data via PDF reports.
- 10 years of log data via CSV reports.
- One-day and seven-day alarm event data providing detailed log information for each event.
- One-day and seven-day graphs for primary monitoring probe temperature readings.

■ **Automatic Alarm Testing:** Peltier-based technology utilizes self-test probes that warm or cool to accurately test temperature alarms without affecting the temperature inside the cabinet.

■ **Guardian Plus™ Protection:** Protect settings and limit access to keep products secure. Guardian Plus™ includes password protected set points to ensure that proper temperatures are maintained. In addition, Integrated Access Control (optional for refrigerators and -30°C freezers) restricts access to the cabinet with an electromagnetic lock controlled by PIN entry.
- Access Control keypad can be set as an alternative home screen.
- Access Control log provides an audit trail of door entries and includes the user ID, date, time, duration, and method of entry.
- Key override.