

# SEL-2411TM

## Temperature Monitor Digital Data Logger



**\$1,495 USD**

**INCLUDES POWER SUPPLY  
AND EIGHT THERMOCOUPLES**

**SHIPS FROM STOCK**

**MADE IN U.S.A.**

- Helps ensure the integrity and efficacy of COVID-19 vaccines.
- Meets CDC COVID-19 vaccine response guidelines.
- Alerts immediately when temperature falls out of range and indicates the severity of the disturbance by integrating the overtemperature over time.
- Monitors and records temperatures of up to eight cold chambers within  $\pm 1^{\circ}\text{C}$ .
- Records temperatures every 30 minutes and stores the records for more than 248 days in nonvolatile memory, equaling up to 11,904 records.
- Offers retrieval of temperature and event records by serial or Ethernet communications.
- Easy to set up and operate with a touchscreen interface.
- Includes eight Type T thermocouples with transparent FEP sheaths and 25-foot leads; 24 V, 90–264 Vac power supply; USB serial cable; wall-mount bracket; and precision screwdriver. Additional cables are also available in lengths of 50, 75, and 100 feet.
- Option to add one year of no-cost 24/7 monitoring by the SEL Operations Center.



# Dependable. Simple. Compliant. Accurate.

## Reliable

Designed, manufactured, and tested in the U.S.A. for use in extreme environments. Comes with a ten-year, no-questions-asked warranty.

## CDC-Compliant

Adheres to federal COVID-19 vaccine response requirements for temperature monitoring devices, which include detachable probes, alerts for out-of-range temperatures, and current, minimum, and maximum temperature display.

## Accurate Within $\pm 1^{\circ}\text{C}$

Meets requirements for the American Society for Testing and Materials (ASTM) Standard E2877 Tolerance Class G or higher with a certificate of calibration from testing performed with National Institute of Standards and Technology (NIST) traceable reference standards.

The eight accompanying Type T probes with transparent FEP sheaths (designed and manufactured by SEL) help eliminate false alarms and can withstand ultra-cold conditions, with a range of  $-200^{\circ}$  to  $+200^{\circ}\text{C}$ .

## Ships From Stock, Ready for Installation

Preconfigured to COVID-19 vaccine temperature limits, simple to reconfigure for other applications, and equipped with flexible inputs and outputs.

## Real-Time Communication

Alerts for a temperature variance with immediate signaling. If/when the SEL-2411TM detects an excursion, the display on the digital data logger turns red.

## 24/7 Monitoring

Option to add 12 months of no-cost, continuous monitoring by our SEL Operations Center, which is staffed 24/7 by live personnel from our headquarters in Pullman, Washington, U.S.A. In the event a temperature variance is detected, SEL will contact you immediately by phone. Our Operations Center will continue to call down the list of provided numbers until someone on your end is reached. The monitoring service may be extended by subscription beyond 12 months. Installation of additional equipment may be required.

## Low Total Cost of Ownership

Measures up to eight different cold chain storage units and can be coupled with additional SEL-2411TM devices for further expansion.

## Intuitive Temperature Logging and Management Software

View and collect temperature measurement data using the included SEL-5620 software. Connect your computer via Ethernet to the SEL-2411TM to view minimum and maximum daily temperatures for up to eight ultra-cold storage units, and trend historical temperature data in a graph using a simple, flexible interface. Export trend graphs or data tables as a PDF for your records.

# Overview

Color LCD shows temperatures and alarm status of eight chambers.

Real-time clock backed up by an internal battery can be set by the front panel, serial port, or Ethernet port.

Touch the screen or push a Unit button to see details of each chamber.



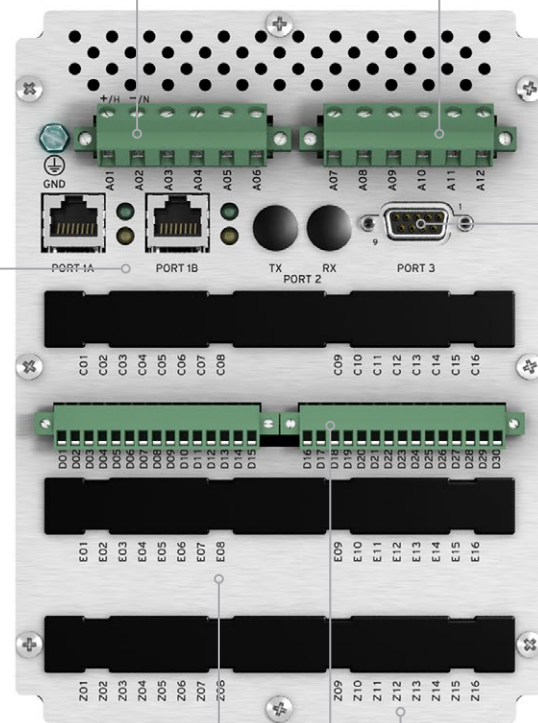
Slots for customized slide-in pushbutton labels.

Cybersecurity designed in from the beginning.

Serial port for easy data retrieval using the included SEL-C662 cable.

Mounts in a front-panel cutout or to a wall with the included wall-mount bracket.

Two Ethernet ports for routable network or local access.



Connect the included 24 V power supply to these terminals.

Includes 2 contact inputs and 3 alarm outputs.

Serial port nonroutable communications.

Terminal functions are illustrated on the side.

-40° to +85°C (-40° to +185°F) temperature range.

TC/RTD inputs allow for up to eight Type T thermocouple temperature probes.

The SEL-2411TM is part of the SEL-2411 family of industrial controllers. Contact SEL Engineering Services to learn about the broad range of I/O cards available.

## What's Included

- Eight Type T thermocouples with 25-foot leads
- 24 V, 90–264 Vac power supply
- SEL-C662 cable
- Wall-mount bracket
- Precision screwdriver to connect power and thermocouples
- One year of 24/7 monitoring by the SEL Operations Center
- SEL-5620 software

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