



AN EXCHANGE OF TECHNICAL INFORMATION

Number: TL005 - 2025 USDA
Subject: OptimaLINE Model USDA Calibration

July 15, 2025

When calibrating the USDA sensor on OptimaLINE model units (69NT40-701-xxx), it is best to connect all 4 of the sensors (3 USDA and 1 Cargo) for the shortest amount of calibration time, even if you are going to only use the 3 USDA Sensors. Approximate time for calibration is just over 1 minute. Leaving the cargo probe connection port open and only using the 3 USDA ports, results in an increase in the calibration time to five minutes, as the controller performs continuous attempts to calibrate the open sensor port.

The calibration is completed from the inside of the unit. On completion, the calibration report is available from the rear of the unit (ICR) using ContainerLINK 3.2. A unit dcx download via ContainerLINK app, can be completed either wirelessly (Wi-Fi) or from front of the unit, via USB port.

If the 4 sensors option is used and the trip only requires 3 USDA sensors, the Cargo Sensor can be unplugged and saved for next calibration.

For ease of use, based on customer feedback and reduction of calibration time, in a future software release we will add to the controller the ability of sensing an open Cargo Sensor and if the sensor port was left open, stop the calibration process on that sensor. We are also adding the ability to both calibrate from the front of the unit, as well as downloading the dcx file from inside of the container.

These additions, when ready, will be announced as part of our Software Release Announcements, which is posted on the

Carrier ContainerLINK SolutionsCenter site.

The software will be posted to Carrier Container website at: <https://www.carrier.com/container-refrigeration/en/worldwide/products/data-tools/>.

Probe Calibration Readings:USDA1 -0.1 USDA2 -0.2 USDA3 -0.1 CARGO -0.1

Temperature Units:Centigrade

Most Recent Probe Calibration Performed in the last 28 days.

USDA/Cargo Probe Calibration

13:09 Calibration Performed: 07/02/2025

Service Center: Msc

Location: Cpt

13:10 USDA/Cargo Probe Calibration: by Communication RS232 Rear Interrogator (MB UART0 Port) (ML5)

USDA1 Temp - -0.1 Carrier Pass

USDA2 Temp - -0.2 Carrier Pass

USDA3 Temp - -0.1 Carrier Pass

Cargo Temp - -0.1 Carrier Pass

Second Probe Calibration performed in the last 28 days

USDA/Cargo Probe Calibration

13:04 Calibration Performed: 07/02/2025

Service Center: Msc

Location: Cpt

13:05 USDA/Cargo Probe Calibration: by Communication RS232 Rear Interrogator (MB UART0 Port) (ML5)

USDA1 Temp - -0.1 Carrier Pass

USDA2 Temp - -0.2 Carrier Pass

USDA3 Temp - -0.1 Carrier Pass

Cargo Temp - -0.1 Carrier Pass

Service Engineering / Container Products

Please circulate copies of this bulletin to all service and management personnel as soon as possible.