

PROVING BEST PRACTICES IN FRUIT AND VEGETABLE TRANSPORT

LOG-IC-360BT FOR HUMIDITY AND TEMPERATURE MONITORING



Recently CAS DataLoggers provided its [LOG-IC-360BT](#) Temperature & Humidity Data Loggers to a shipper exporting its fruit and vegetables to remote distribution centers and markets. Most of this product was extremely temperature-sensitive and could easily spoil. Therefore, it was essential to track these refrigerated shipments throughout the shipper's cold chain to avoid any deterioration and ensure shelf life. In the event of spoilage, the shipper would have to mark the product as a loss and lose credibility with the receiver. With this in mind, the shipper needed a data logger with enough memory to store temperature

and humidity recordings for verification upon receipt as proof of product quality and best practices.

INSTALLATION

The customer currently installed LOG-IC-360BT Humidity and Temperature Data Loggers inside each of their shipping containers, securing the recorders to the front of crates. During transit, the 2-channel data loggers record relative humidity and temperatures using their built-in sensors. Providing standalone operation, the loggers run on a built-in lithium battery with a 1-year life. Each data logger's memory stores up to 16,000 readings onto the non-volatile flash memory and samples the inventory's temperature and humidity every 30 minutes allowing over 300 days' worth of record

The data loggers are designed with an [IP67](#) rating to stand up to the environment found in typical cold chain applications.

USAGE

It's easy for users to configure up to 4 alarm settings to match a shipment's particular produce and storage conditions. Using the free [LOG-IC 360 app](#), users can easily connect to the logger via Bluetooth from a mobile device to configure the alarm setpoints.

After each delivery is completed, users can immediately look at the display; a ü indicates that the shipment was OK an X indicates that an alarm has been triggered. In this case, they could connect to the loggers via Bluetooth from a smartphone or tablet and download the stored data which could then be printed and saved as a CSV file or printed as a PDF report. Using this data they could then determine when and for how long the device had been in alarm. Logged data could also be uploaded to the [CAVU Hub](#) cloud via the app and shared with other users such as the farmer or end user.



BENEFITS

Warehouse personnel also find the LOG-IC 360 app easy to use for configuration and download. Configuration profiles with all of the settings can be created and they are quickly deployed to multiple devices. The ability for receivers to quickly confirm that safe temperature and humidity levels were maintained throughout the journey by looking at the display simplifies the receiving process.

The LOG-IC-360BT proved to be a low-cost solution for the customer's perishable product consignments and is very affordable compared with other data loggers on

the market. Now the shipper customer is notified whenever their product's temperature and humidity goes out of specification and knows which parties are responsible. All relevant data can be printed out to show compliance. Additionally, the RH and temperature data can be analyzed to fine-tune the customer's own product and delivery quality.

For more information on the [LOG-IC 360BT](#) Temp+RH data logger, or to find the ideal solution for your application-specific needs, contact a CAS DataLogger Application Specialist at **(800) 956-4437** or www.DataLoggerInc.com.