

Application of LogTag Loggers

THE COLD CHAIN



Today, fresh produce is sourced from across the globe. Whether it's cut flowers from Colombia or frozen prawns from Thailand, the cold chain is under increasing pressure to perform more efficiently, both to meet the demands of the giant retailers and to enhance the margins of all concerned. Just-in time supply, continuous replenishment, reduced wastage and field-to-shelf visibility are critical challenges facing the industry. How are producers and suppliers responding ? What do they expect from their logistics and transport providers ?

The single most important aspect of the cold chain is the control of temperature. The industry demands an accurate, reliable, easy-to-use, and cost-effective means to verify that their produce has been stored and transported at the correct temperature.



AGRICULTURE



Most visible at the start of the food supply Cold Chain are the farmers and growers. Over the past few years, many advances have been made in the development of farms and packhouses, enabling produce to be harvested and stored quickly and efficiently. Hydro-cooling systems and chilled water plants maintain consistently low temperatures so that when the produce is taken from the cold store, it is not damaged by fluctuation in temperature. LogTag provides the supplier and customer with cheap and effective validation of process and storage temperatures.

PHARMACEUTICALS



With increasing outbreaks of virulent diseases worldwide, the rapid and reliable distribution of vaccines assumes major importance. However, many vaccines are sensitive to temperature fluctuations and can be seriously damaged if not stored and transported within the approved temperature range. Once potency has been lost through exposure to heat or cold, it cannot be regained by returning the vaccine to the recommended storage temperature. In many cases, even when the vaccine has been irreversibly damaged, there is no change in its external appearance.

MEDICAL



Transfusion Authorities in Europe and the United States recognise the critical importance of monitoring temperature of blood, blood components and organs during storage and transportation.

Ease of use- With its user-friendly Windows software, LogTag is quick and easy to configure with sampling frequency, temperature range and alarm limits. Where multiple trips are required, the settings can be stored in the despatch PC, and simply downloaded to the LogTag for each new trip.

Once configured, LogTags are activated by simply pressing a button. A flashing green light confirms activation. This means that multiple Logtag dataloggers can be configured in advance, but only activated when actually packed. As an added safety feature, if the packer forgets to press the start button, LogTag can be configured to record temperature readings according to the factory-set parameters.

Rapid readout of data on arrival. Logtag provides information in two ways:-

1. If a violation has occurred, a flashing 'Alert' red light provides instant warning.
2. A full memory of time/temperature recordings can be downloaded to a PC in typically under five seconds, providing a virtually instantaneous record of the shipment.

Compact Size. LogTag's credit-card sized case makes it ideally suited for packing between the blood bag and satellite bags.

Low cost. LogTag is the most cost-effective electronic datalogger on the market.

HVAC



LogTag Temperature dataloggers are ideal for HVAC system verification and troubleshooting. Multiple LogTag dataloggers are cheaper and more versatile than a single conventional multi-channel logger, and can be set up on site in a fraction of the time required for competing monitoring systems. The external sensor provides sensitive and responsive performance, and temperature records can be downloaded in a few seconds for immediate analysis.