LOG-IC
Revolutionize Your Cold Chain™

Class 3 RFID Temperature Loggers

"The most accurate RFID Logger in the World"

Blood Transportation Control

Blood products must be kept at precise temperatures during transport and storage in order to assure their efficacy and safety. To-date, the Log-ic® Logger has been used in three different blood programs (USA, France, Canada) with 100% expected accuracy, read range, and data upload having been validated. Using probed loggers or special "antenna boosters", all logged temperature data can be read up to 10 inches deep inside a urethane ice-filled blood shipping box, without having to remove the logger from the package!

RFID Temperature Tracking

The American Red Cross mandated the University of Florida RFID & Packaging Lab, headed by Dr. Jean-Pierre Emond, to fully redesign packaging used in blood transportation. After testing numerous concepts, the only solution meeting all of the stringent criteria of this project was Log-ic®.

Certified to exceed EN12830 standards by prestigious French laboratory Cemafroid, Log-ic monitoring tags and probes provide unprecedented accuracy, and incredibly fast data download, are completely waterproof. Log-ic® devices can be easily programmed to monitor for over 30 days of continuous logging at 15 minute intervals (or over 4 months at 1 hour intervals).

Global Partners.

Log-ic® has been deployed by customers in over 44 countries and distributed by global partners. Log-ic® is available in OEM branded products, such as Evidencia's Thermassure RF and ThermoFisher FisherBrand versions.

Quality. Trust. Confidence. Affordability.

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Datasheet and Specifications Log-ic® Logger Tag & Probed Logger	
Measuring Range	*-40°C to +85°C*
Accuracy	*EN12830 Certified for Frozen and Refrigerated Food Handling* ***±0.2°C from -30°C to +30°C*** *±0.5°C from -40°C to -30°C* *±1.25°C from +65°C to +85°C*
Resolutoin	*0.1°C*
Data Storage	*Accumulates up to 16 Million Events* *4000 Time/Temp event log*
Battery Life	*1 Year Recording // 2.5 Year Storage*
Water Resistence	*Nema 6P // IP 68 (Fully Submersible)*
Startup Options	*Delay Start // Push Button // Wireless*
User Options	*Custom Programmable* *Re-usable* *Blinking Alarm on Excursion* *Startup Delay (1 Min to 4 Hours)* *Recording Interval (1 Min to 4 Hours)* *Temp. Histogram Intervals*
Dimensions	*5.8cm x 5.8 cm x 0.2 cm* *5.6 grams (under 1/6 oz)*
Interface	*Wireless, 13.56 Mhz RFID* *Data Overview download (<0.25 sec)* *Full Log download (< 4 sec)* *e-mail alerts*
Certifications	*CE: ROHS, EN12830* *NIST Traceable 3-point QA Certificate* *GMP Validation* *Third Party NIST calibration (optional)* *FDA CFR21 Pt 11* ***USDA approved for HACCP monitoring*** *FAA tested for air cargo safety* *WHO/UNICEF qualified*

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University of Florida's Research Center provides the industry and the scientific community with a unique environment for developing knowledge that will assure quality and safety throughout the whole distribution chain.

To performance for mission-critical blood

Temperature maintenance is critical in blood shipment, storage, and handling. Recording times, read range, data transmission, and temperature accuracy all need to be 100% flawless throughout the process. Not only American Red Cross, but also the France Blood Agency, and Canadian hospitals and other customers worldwide require technology which is validated to work correctly 100% of the time. In addition, RFID sensors are preferable for their ability to provide data access without having to remove the logger from the shipment box, or even without having to open the shipment box at all; but these RFID sensors must not violate the FDA "RFID watch list", i.e. they must meet the FDA technical standards required for use around biological materials.

When it came to choosing the appropriate technology, University of Florida's research team turned to Log-ic®, the world's most accurate RFID temperature logger. Log-ic® tags are perfectly suited to mission crictical environments, with a submersible package, accurate and responsive temperature measurement, and simple to use wireless data download. The end user can maintain trust and confidence that end-to-end temperature control is being guaranteed.

For more information, contact:

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"To the best of our knowledge, Log-ic® is the only semi-passive HFRFID temperature logging solution to qualify for our customers' stringent requirements."

Dr. Jean Pierre Emond, Director, University of Florida RFID Lab