

Highlights

- Highly accurate temperature monitoring
- 3 year battery life
- Locates using radio frequency (RF)
- Small compact design
- Programmable temperature thresholds
- Automatic alerts
- Easy to clean
- Easy configuration
- Maintenance free

Within healthcare, blood is an extremely precious commodity that must not be mishandled or misplaced.

Temperature Monitor Tag

Appropriate blood management and temperature monitoring are essential to patient healthcare and it is strategically important to avoid wasting blood, as it is a precious source of life.

The Radianse Temperature Monitor ID-Tag is specially designed to measure, monitor and report accurate temperature data. The tag is used in mission critical blood, tissue, organs, food and other medical related storage applications to prevent avoidable loss.

The T-600T Series tags also features superior active-RFID location tracking, which brings an important level of visibility and asset management to your clinical staff. Mobile blood coolers, bags and even individual units can be instantaneously accounted for and quickly located (room level accuracy).

Blood is an extremely limited commodity that you cannot afford to waste or mishandle, and often it is critical to know its exact location in the event of an emergency situation. Being able to automatically and precisely track location, time in transit and movement history, could not only preserve blood supplies, but more importantly save lives.



ID-Tags can be placed inside a storage refrigerator, freezer or mobile cooler and will accurately and continuously send critical temperature data, ensuring that the blood product always meets the required storage temperature standards. The Radianse Reveal Platform will accurately monitor temperature with an accuracy of +/- 1.0°C.

Blood is stored at a temperature of +4.0°C and to meet all the rules and regulations set by the Food and Drug Administration (FDA), the storage temperature of blood must lie within the range of 1 to 6° C . This is the range that must be followed under all conditions. If the temperature falls outside of a predefined range, an immediate alarm is activated so that swift action can be taken by the clinical staff to rectify the situation. This happens automatically and continuously.

Benefits

- Accurate and instantaneous real-time temperature and inventory management data
- Reduce loss due to non-compliance of maintaining required storage temperature
- Automatic blood tracking and location awareness
- Automatic alerts generated and sent to clinical staff via PC, PDA or pager
- Track blood in transit to monitor arrival times in critical situations
- Determine actual utilization of tagged assets
- No external temperature probes required for temperature measurements





Key Features

Temperature Accuracy & Reliability

Measuring temperature to +/- 1.0°C, the ID-Tag is an accurate temperature monitoring device that continuously delivers a high degree of reliability that you can count on in mission critical applications.

Two Casing Options—Hard Shell (HS) & Soft Shell (SS)

There are two versions of the temperature monitoring ID-Tag, one that is encased in a hard plastic molded shell and another in a soft vinyl protective sleeve. Each delivers the same high quality feature set, allowing you have a choice to use the one that best fits your application needs.



Programmable Alarm Limits and Automatic Alerts

Using Radianse's web-based software management, a staff member can easily set user defined temperature thresholds that are constantly monitored. If the temperature deviates outside of the pre-set limits, an instantaneous alert notification will be generated to allow corrective action to take place.

Location Accuracy

Reliable and precise location accuracy to a specific room or area, delivers a high degree of visibility in your environment. The Radianse patented location algorithm constantly analyzes changes in location and the web-based software displays location data in real-time.

Water Resistant— Cleanable

This tag was designed for re-use and to withstand typical healthcare environments, including resisting water penetration. The ID-Tag can be reprocessed, cleaned, disinfected and sterilized using standard practices, so that it can be safely re-used and free of contamination.

Maintenance Free

Once configured and placed in a refrigerator, blood transport bag or storage chamber that you want monitored for temperature (or securely attached to a particular asset), you are done! The tag will operate maintenance free.

Easy Setup & Configuration

The ID-Tags are designed to be easily and quickly configured and installed. They are plug & play!

For pricing and ordering information, please contact:

sales@radianse.com
877.681.1699

T-600T Series Technical Specifications

Models: T-600T-HH (hard shell), T-600T-SS (soft sleeve)

HS Dimensions: 3.2 x 1.6 x 0.5 inches

HS Weight: 1.0 oz

SS Dimensions: 3.2 x 1.6 x 0.3 inches

SS Weight: 1.0 oz

Warranty: Ninety (90) Day parts and labor

Cleaning: With Cidex, 10% Sodium Hypochloride solution or Alcohol, also compatible with gas sterilization

EMC: ETS 300-683

Frequency Transmitted: 433.92 MHz

Altitude: Up to 5,000 meters

Battery Life: 3 Years @ 10 sec rate, Not field replaceable

Operating Temperature: -20° to +70°C

Operating Humidity: Up to 90% RH, up to +50°C

Storage Temperature: -40 to +80°C

Compliance: Meets all applicable FCC regulations, Class B 47 CFR 15.231 (e)

ESD: IEC 801-2 (4kV contact, 8 kV discharge)

V1.1