



CS8304 Cold Chain Temperature Logging Tag



The CS8304 Cold Chain Temperature Logging Tag provides 10 KByte of logging memory for saving of temperature data throughout a trip. It is designed for the harshest, coldest and most demanding cold chain applications. The tag is fully enclosed by a plastic case to meet IP67 standards. **LED light indicates temperature violations.** The tag speeds up the process of temperature monitoring in cold storage rooms, mobile overseas containers, and truck trailers. CSL's Battery Powered Passive (BAP) technology holds up against products with high water content (which traditionally is a killer for passive tag), low temperatures, and orientation issues. Moreover, the CS8304 tag is fully EPC Class 3 Gen 2 compliant and can be read by any Gen 2 compliant reader.

Product Features

Cold Chain temperature monitoring for the most demanding cold chain applications.

Temperature Logging Solution: 10K Samples

Consistent and reliable read performance when being placed on products with high water content under low temperature.

Programmable temperature thresholds and sampling rates, ranging from -20C to 60°C at 0.25°C resolution.

Compliant with EPC Gen 2 readers and can be used for product identification.

Applications

Cold Chain Management
Temperature Data Logging
Food Inspections
Cold Storage Rooms
Product Authentication

Mobile Overseas Containers
Recall Management
Cold Chain Transportation
Temperature Controlled Pharmaceuticals

Living Organic Materials
Floral Management
Industrial Composites and Chemicals Tracking

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| Dimensions | 86 x 54 x 14 mm (3.34 x 2.12 x 0.55 in) |
| Memory | 352bit EPC, 48bit UID, 10K Samples Cold Chain Temperature Logging Memory |
| Operating Temperature | -20°C to 60°C (-4°F to 140°F) |
| Temperature Accuracy | +/- 0.5°C |
| Temperature Resolution | 0.25°C |
| Mode of Operation | Battery-Assisted Passive (BAP) EPC Class 3 Gen 2 |
| Operating Frequency | 860 to 960 MHz |
| Battery Type | Lithium battery |
| Battery Life | Based on options and usage scenarios |
| Sampling Interval | User configurable between 1 second up to 2.5 days |
| Alarm | Under Temperature, Over Temperature, Low Battery |
| Data Retention | > 10 years @ 55°C |
| IP Rating | IP 67 |
| Country Version | CS8304-1, optimized for 866 to 868 MHz CS8304-2, optimized for 902 to 928 MHz |

