

DATA SHEET

T5a Temperature Tag

Wi-Fi tag that leverages an IoT platform for monitoring the environment of care in labs, pharmacies and outpatient services.



Product Highlights

- Wirelessly monitors, records and analyzes condition and status information
- On-board temperature sensor
- Mobile application for viewing sensor data, alerts and reports
- Supports offline condition monitoring

Description

T5a Temperature Tags, which are components of STANLEY Healthcare's AeroScout LINKS® IoT (Internet of things) solution, add advanced condition monitoring capabilities to our market-leading family of Wi-Fi Tags.

The tags allow users to accurately monitor ambient temperature levels. The data from the tags are transmitted wirelessly, and received by nearby receivers called 'Gateways', which relay the information to the AeroScout LINKS platform.

The T5a tags enable users to improve their operations, quality, and regulatory compliance. Various types of industries, including healthcare, laboratory, food service, manufacturing, and logistics related organizations have a critical need for wireless monitoring of environmental conditions.

By combining the tags with the AeroScout LINKS application, email alerts and push notifications can be set to trigger when changes in environmental conditions are detected. The Battery-powered T5a Tag, with on-board memory, are also able to monitor and store condition data when the tags are out of network range, or during a power outage.



Industry Benefits

The T5a Temperature Tags provide mission-critical benefits in various industries, including:

Healthcare

T5a Tags are easily deployed in hospital rooms, refrigerators and freezers that store vaccines, pharmaceuticals, blood, food, and other items. The tags can be mounted either inside storage units or attached outside.

In other cases, the tags can be used to monitor the ambient temperature levels in rooms.

T5a Tags provide an automated and reliable solution that improves regulatory compliance and saves time so that staff may focus more on patient care and safety.

Manufacturing

Ensuring correct environmental levels can be essential for many manufacturing processes.

For example, in Aerospace manufacturing, some epoxies and composite material components must be stored or applied in specific temperature ranges. T5a Tags can be placed in refrigerated storage rooms and other key locations to automatically monitor temperatures and send alerts when needed. In Consumer Packaged Goods manufacturing, tags can be used on pallets and in cooling tunnels where temperature conditions must be maintained.

Logistics and Cold Chain


Maintaining proper environmental conditions during the storage and transportation of perishable inventory (such as food or pharmaceutical products) is critical for the proper delivery of those goods. T5a Tags provide cost-effective wireless monitoring for warehouses to measure against thresholds and deliver automated email alerts, push notifications and reports.

Data Centers

For areas with a large amount of computing hardware such as data centers and server rooms, T5a Tags can remotely monitor temperatures and alert in the event of an air conditioning failure or general overheating. Immediate alerts follow client business rules and can be sent to multiple users. Timely monitoring can prevent work disruptions and protect against equipment damage.



T5a Temperature Tag Specifications

	T5a Tag
PERFORMANCE	
Indoor range	Within 15m (45feet) from a Links Gateway
SPECIFICATIONS	
Wi-Fi Radio	802.11 compliant (2.4 GHz)
Transmission power	+19dBm (~81mW)
Dimensions	62mm x 40mm x 17mm (2.4in x 1.6in x 0.7in)
Weight	35gm (1.2oz)
Battery	1/2 AA 3.6V (Battery life estimate according to set configuration: 3 years)
IP Rating	65
SENSOR RANGE	
	On-board temperature sensor: Range -30°C to +75°C (-22°F to +167°F)
TRANSMISSION INTERVAL	
	Transmission interval is configured to 5 minutes (<i>not configurable</i>)
ACCESSORIES	
	Mounting Cradle
	Potting Kit
CERTIFICATIONS	
	Optional calibration certification with NIST traceability
Radio	FCC Part 15, sub-part C class B, sub-part B, EN 300-328, EN 300-330, EN 301-489
Safety	CE and cTUVus (EN60950)
SKU	TAG-5555i
	



T5a Tag Temperature Stabilizing Container
(SKU: TAC-500)

STANLEY
Healthcare

About STANLEY Healthcare

Over 15,000 hospitals and senior living communities rely on STANLEY Healthcare solutions to empower caregivers to deliver better care. STANLEY Healthcare is a part of Stanley Black & Decker and a proud supporter of the Alzheimer's Association®. Learn more at www.stanleyhealthcare.com.

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