TEKTELIC TUNDRA Sensor

LoRaWAN® Device for Cold Chain Environment Monitoring

TEKTELIC's TUNDRA Temperature Sensor is the ideal solution for maintaining optimal and consistent temperatures within cold rooms and refrigerated areas. The device can be implemented within cold storage such as fridges, coolers, cold rooms and even freezers with minimal impact on battery life or radio signal strength. The Cold Room Temperature Sensor is seamlessly integrated with TEKTELIC's end-to-end IoT solution.

- Restaurants
- Supermarkets
- Food Service Cold Chain
- Medical Storage
- Pharmaceutical Storage
- Vaccine Storage

Technical and Functional System Specifications

General System Parameters

Operational Temperature	-40°C to 70°C
Ingress Protection	IP67
Size	67 x 43 x 36 mm
Battery	C Cell

LoRa Parameters

RF Power	Up to 20 dBm
RF Sensitivity	Up to -137dBm (SF12, 125kHz)
ISM Band	All Global ISM Bands
Antenna	Internal
LoRa Device Class	Class A

Regulatory Compliance

Safety	IEC 62368-1 (CE)	
Regulatory	ETSI EN 300 220	
	ETSI EN 301-489-1/-3	
	FCC 15.247	FCC 15.209
	RSS-247	RSS-GEN

Specifications subject to change without notice.

Key Features and Applications

» 15 Year Battery Life

» Restaurant and Food Service Cold Chain

» Medical, Pharmaceutical and Vaccine Storage

» 125 Days/3000 Entries of Stored Data

» Optional External Thermistor Probe

» Small Form Factor for Diverse Deployments

» Easily Integrated into LoRaWAN® Networks

» Internal Antenna

» Ambient Tempature & Humidity Monitoring

✉ INFO@TEKTELIC.COM   📞 +1.403.338.6900   🌐 WWW.TEKTELIC.COM

TEKTELIC Communications is a premier supplier of best-in-class LoRaWAN® IoT Gateways, Sensors, and Custom Applications. These elements combined provide a powerful end-to-end solution that can be easily, quickly, and cost effectively deployed to address the most demanding IoT challenges.

For more information please visit www.tektelic.com

2024-08-23 | MT