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. Applications include food and pharmaceutical storage, where safeguarding the integrity, quality, and safety of products is vital. 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.

Technical and Functional System Specifications

General System Parameters

Operational Temperature	-40°C to +60°C
Ingress Protection	IP67
Size	67 x 43 x 36 mm
Battery	C Cell

LoRa Parameters

RF Power	15 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 60950-1 (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

» 10 Year Battery Life

» Restaurant and Food Service Cold Chain

» Medical and Pharmaceutical Storage

» Vaccine Storage

» All Global ISM Bands

» Small Form Factor for Diverse Deployments

» Easily Integrated into LoRaWAN® Networks

» Internal Antenna

» -40˚ to +60˚C operability