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Senstick Temperature Only STO10

Senstick is an award-winning LoRaWAN sensor. It is designed to operate autonomously for up to 7 years in harsh environments. It is suitable for wide variety of applications where reliable and case specific solution is needed.

Key features

- Harsh environments
- Rigidized housing
- Easy installation
- Motion detection
- NFC configuration

Applications

- Cold Rooms
- HACCP digitalization
- Warehouses
- Storages
- Office spaces

Technical specification

Enclosure	
Weight	90g w/ batteries / 140 g with batteries
Dimensions	105mm x 25mm
Materials	UV stable plastic
IP rating	IP67

Operating conditions	
Temperature	-40°C to +85°C
Humidity	0 to 100% RH

Power supply	
Battery type	1 x 1.5V AA Alkaline
Expected operation	<7 years (depending on sampling, signal, environment)

Configuration	
Sending interval	Configuration via NFC and downlink
Data upload interval	Configuration via NFC and downlink
NFC configuration	Native Android App

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Connectivity

Wireless Technology	LoRaWAN® 1.0.3
Wireless Security	LoRaWAN® End-to-End encryption (AES-CTR), Data Integrity Protection (AES-CMAC)
LoRaWAN Device Type	Class A - End-device
Supported regions	US902–928, EU863–870, AS920-923, AU915–928 (All bands available)
Link Budget	137dB (SF7) to 151dB (SF12)
RF Transmit Power	14dBm (Region specific)

Sensors

SENSIRION

Temperature

Range	-40°C to +85°C
Accuracy	±0.2°C

Acceleration

Range	±2g to ±16g
Accuracy	±40mg