

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

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