

Senstick Temperature Probe STP40

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. STP40 is a cost-effective temperature probe sensor.

Key features

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

Applications

- Mulch temperature
- Soil temperature
- Rail tracks temperature
- Water temperature



Technical specification

Enclosure	
Weight	170g w/ batteries / 230 g with batteries
Dimensions	Casing: 105mm x 25mm / Probe: 5mm x 50 mm
Cable length	2m or custom
Materials	UV stable plastic
IP rating	IP68
Operating conditions	
Temperature	-40°C to +85°C
Humidity	0 to 100% RH
Power supply	
Battery type	1x 3,6V Lithium
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

Datasheet

Release: 3.8.2023
Version: 1.0

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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
Link Budget	137dB (SF7) to 151dB (SF12)
RF Transmit Power	14dBm (Region specific)

Sensors

Temperature Probe

Range	-55°C to +125°C (Possible higher with custom probes - contact sales)
Accuracy	±0.5°C

Acceleration

Range	±2g to ±16g
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Accessories

MPOM40	Snap-on mounting kit, suitable for indoor use
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