

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

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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