senzemo

Senstick Temperature Food STF30

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. SSM20 is a cost-effective food temperature sensor.
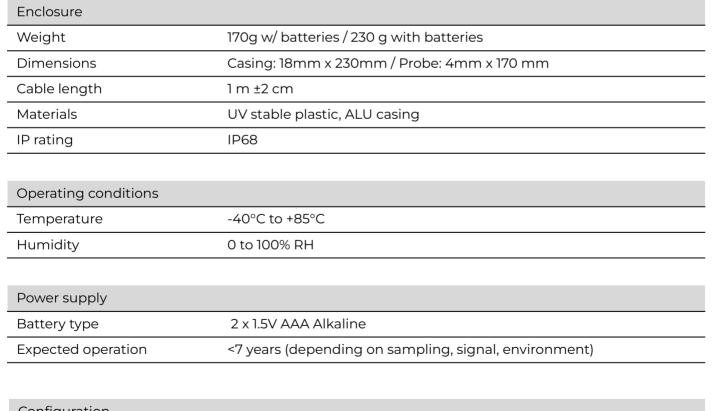
Key features
- Harsh environments
- Rigidized housing
- Easy installation
- Motion detection
- NFC configuration

Applications
- Food temperature
- Food storage temperature
- Cooking temperature

CE FC LoRaWAN

Technical specification

Enclosure	
Weight	170g w/ batteries / 230 g with batteries
Dimensions	Casing: 18mm x 230mm / Probe: 4mm x 170 mm
Cable length	1 m ±2 cm
Materials	UV stable plastic, ALU casing
IP rating	IP68

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

Power supply	
Battery type	2 x 1.5V AAA 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
Link Budget	137dB (SF7) to 151dB (SF12)
RF Transmit Power	14dBm (Region specific)

Sensors

Food temperature probe	
Range	-40°C to +380°C
Accuracy	±1°C

Acceleration	
Range	±2g to ±16g

Accessories

SMC20-MCLIP	Snap-on mounting kit, suitable for indoor use
SMC20-MABS	ABS mounting kit. Installation with two screws for indoor and outdoor use
SMC20-MALU	Rigidized ALU mounting kit. Installation with two screws f... and outdoor use.