

Senstick KOU20

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. KOU20 is a cost-effective compost temperature sensor.

Key features

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

Applications

- Compost temperature
- Soil temperature
- Mulch temperature



Technical specification



Enclosure

Weight	3kg
Dimensions	Casing: 145cm x 4cm (custom length possible - contact sales)
Materials	Oxidized aluminum
IP rating	IP68

Operating conditions

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

Power supply

Battery type	1 x 3.6V AA Battery
Expected operation	<7 years (depending on sampling, signal, environment)

Datasheet

Release: 19.9.2023
Version: 1.0

senzemo

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

Sensors

Temperature Probe

Range	-55°C to +105°C
Accuracy	±1°C

Acceleration - Movement detection

Range	±2g to ±16g
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