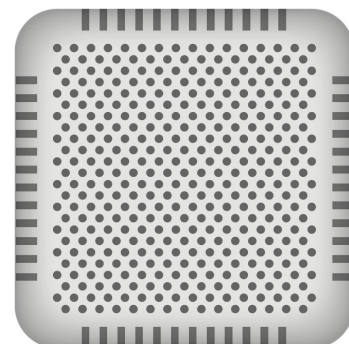senzemo

Senspuck Ambient SAM10

Senspuck Ambient is a LoRaWAN Indoor Temperature and Relative Humidity sensor. It is designed to operate autonomously for several years. It is suitable for wide variety of indoor applications where accurate data reading are needed.

Key features
- Accurate readings
- No maintenance
- Easy installation

Applications
- Indoor temperature
- Indoor Relative Humidity

Technical specification

Enclosure	
Weight	70g
Dimensions	80mm x 80 mm x 20mm
Materials	ABS plastic

Operating conditions	
Temperature	0°C to +50°C
Humidity	0 to 100% RH

Power supply	
Power Supply type	Li-Ion Battery (ER14505)
Expected operation	Up to 10 years

Configuration	
Sending interval	15 minutes
Data upload interval	Configuration via Downlink packet

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	
Range	-20 to +85°C
Accuracy	±0.2°C

Relative Humidity	
Range	0 to 100%
Accuracy	±1.8%