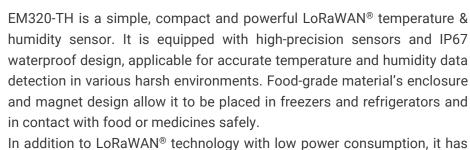
Temperature & Humidity Sensor

Featuring LoRaWAN®

EM320-TH



In addition to LoRaWAN® technology with low power consumption, it has built-in high-capacity batteries available for usage for up to 5 years without battery replacement. Moreover, EM320-TH is compatible with both LoRaWAN® Gateway and IoT Cloud to achieve remote data monitoring and management. It is suitable for both indoor and outdoor applications such as cold chain transportation, agricultural greenhouses, office buildings, hospitals, factories, etc.

Features

- Uses Sensirion high-precision sensor, capable of sensing subtle changes in temperature and humidity
- > IP67 waterproof enclosure with multi-level structure and sealing ring design enabling strong waterproof performance for harsh environments
- Uses food-grade material's enclosure, which is safe for contact with food or medicines
- Ultra-low power consumption and standby with 5400 mAh built-in replaceable batteries, ensuring durable battery life
- > Wall mounting or magnet version optional for multiple installation scenarios

- Anti-theft and anti-slip pad design on back cover to secure firm and sturdy installation
- Long range data transmission for up to 15 kilometers in rural areas
- > Store locally 3000 historical records and support retransmission to prevent data loss
- > Equipped with NFC for easy configuration
- Compliant with standard LoRaWAN® gateways and network servers
- Quick and easy management with IoT Cloud solution

Specifications

Wireless Transmission			
Technology	LoRaWAN®		
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4		
Tx Power	16dBm (868)/20dBm(915)/19dBm(470)		
Sensitivity	-137dBm @300bps		
Mode	OTAA/ABP Class A		
Measurement			
Temperature			
Range	-30°C to + 60°C		
Accuracy	+/- 0.2°C		
Resolution	0.1°C		
Humidity			
Range	0% to 100% RH		
Accuracy	+/- 2%		
Resolution	0.5% RH		
Operation			
Power On & Off	NFC Configuration via Mobile App, Power Button (Internal)		
Configuration	NFC Configuration via Mobile App		
Physical Characterist	ics		
Power Supply	2 × 2700 mAh ER14505 Li-SOCL ₂ Batteries		
Battery Life*	≥5 years		
Operating Temperature	-30°C to +60°C		
Relative Humidity	≤95%		
Material & Color	ABS + PC (Food Grade), White		
Ingress Protection	IP67		
Dimension	85 × 58 × 18 mm (3.34 × 2.28 × 0.70 in)		

Insta	Installation	Standard Version: Wall Mounting	
	instaliation	Magnet Version: Magnetic Adsorption	

^{*} Tested under laboratory conditions and for guideline purposes only.









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