

# TEMPERATURE AND HUMIDITY SENSOR

Lansitec temperature and humidity sensor is designed based on the advanced LoRa modulation and powered by lithium battery with 5-year operation time.

It offers cost-effective LoRaWAN end device for a variety of applications. Its IP65 enclosure and long operation time offer the benefit of low maintenance cost. Therefore, it is ideal for outdoor use. Sensor operation mode can be adjusted via LoRa network.

Lansitec sensor family is fully compatible and plug-and-play for LoRaWAN network operation. It can also work with Lansitec wireless data transfer unit for low cost deployment.



## SPECIFICATIONS

Modulation	LoRa/FSK
Protocol	LoRaWAN1.0.2B
Antenna	Internal/External
Network Structure	Star/Peer to peer
Operation Temperature	-40°C~125°C, ±0.3°C
RH Operation Range	0%~99%, ±3%
Frequency	US915, AU915, EU868, EU433, AS920-923, AS923-925, RU864, ID920, KR920, IN865, KZ865, CLAA, CN470, CN470-Ali
Transmit Power	Maximum 20dBm, adjustable
Sleep Current	20µA
Transmit Distance	>2km
Dimension	ABS, 85*114*55mm
Battery	19000mAh lithium thionyl chloride
Standby Time	5 years
IP Protection	IP65
Calibration	Auto calibration
Certification	CE, FCC, RCM

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## ORDERING INFORMATION

Product Description	Part Number
Temperature and Humidity Sensor, CN470, built-in antenna, 19Ah	100-00051
Temperature and Humidity Sensor, CN470, external antenna, 19Ah	100-02051
Temperature and Humidity Sensor, CN470, 1A2, built-in antenna, 19Ah	100-02152
Temperature and Humidity Sensor, CN490, 4A2, built-in antenna, 19Ah	100-02552
Temperature and Humidity Sensor, CN433, external antenna, 22Ah	100-02052
Temperature and Humidity Sensor, EU868, 19Ah	100-00139
Temperature and Humidity Sensor, AS923, 19Ah	100-00141
Temperature and Humidity Sensor, AU915, 19Ah	100-00193
Temperature and Humidity Sensor, US915, 19Ah	100-00194
Temperature and Humidity Sensor, RU864, 19Ah	100-00195
Temperature and Humidity Sensor, IN865, 19Ah	100-00196
Temperature and Humidity Sensor, KR920, 19Ah	100-00203
Temperature and Humidity Sensor, CLAA, built-in antenna, 19Ah	100-00155