



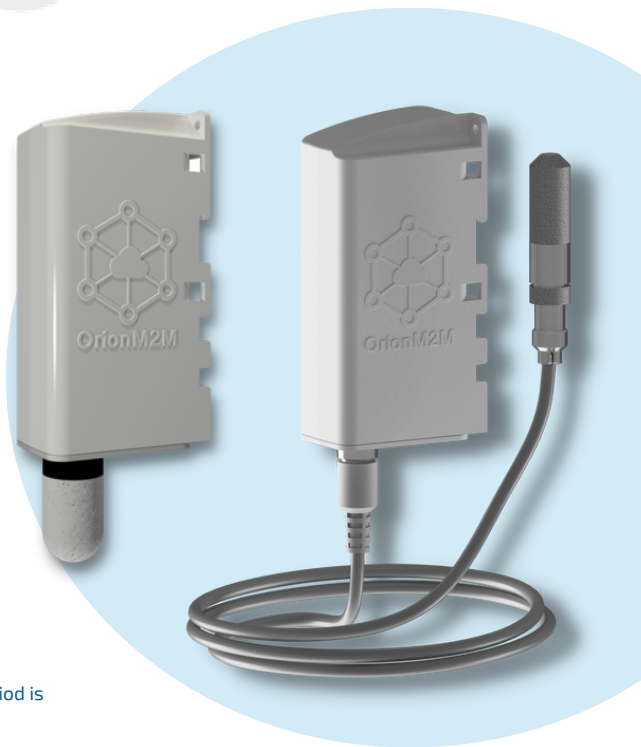
OrionM2M

LoRaWAN Temperature, Humidity & IAQ Sensor

ORIONMETER LA-IP-I2C

FEATURES:

-  LoRaWAN v1.0.3 Class A
-  Ultra-low power consumption
-  Rapid installation and deployment
-  High reliability and stability
-  Up to 15 km communicating range
-  EasyTool technology allows configure the device remotely
-  Non-volatile memory stores data
-  With BatteryCare® technology life time period is up to 10 years



APPLICATIONS:

Wireless Alarm and Security Systems | Smart building and Industrial Control | Smart Agriculture | Other wireless sensing applications

General

Enclosure material	PC
Microcontroller	Ultra-low-power MCU STM32L0
Sleep current consumption, uA	<2
Working temperature, °C	-30...+60
Battery type	Li-SOCL2
Battery voltage, V	3.6
Battery capacity, mAh	3650
Battery life, year	up to 10
IP Rating	IP65
Indication	Led
Activation	Magnet
Sensor records with a timestamp	1600
Mount	Pole braces, DIN rail, wall
Weight, g	≤112
Warranty operating period, months	36

Radio

Communication protocol	LoRaWAN v1.0.3
Device class	A
Bands	EU863-870 IN865-867 RU864-870 KZ865-868 US902-928 AU915-928 AS923 KR920-923
Activation in LoRaWAN	OTAA / ABP
LoRa Power Output	up to 14 dBm (25 mW)
Receiver sensitivity, dBm	up to -137
Signal lead	Internal antenna
Data transfer rate, kbps	0.3 ... 40
ADR support	Yes
Communication range, km	up to 15

HDC1080

Operation range, humidity	0 – 100
Operation range, temperature	-30 ... +60
Humidity Accuracy	±2% (typical)
Temperature Accuracy	±0.2°C (typical)

BME680

Operation range, humidity	10 – 100
Operation range, temperature	-40 ... +85
Operation range, pressure	300...1100 hPa
Humidity Accuracy	±3%
Gas sensor	IAQ: Index for Air Quality

Order Info

SKU	Description
LA-IP-I2C[ICAPTS]/F	LoRaWAN Temperature, Humidity & IAQ Sensor battery 3.6V; 3650mAh
	I: IP rating · -: IP65 C: type · -: LoRaWAN A: antenna · -: internal 868Mhz · 9: internal 915Mhz P: power supply · -: bat. 3.6V, 3650mAh
	T: type sensor · I: Internal · E: External S: sensors · H: TI HDC1080 · B: BME680
	F: the default frequency plan · EU: EU863-870 · IN: IN865-867 · RU: RU864-870 · KZ: KZ865-868 · US: US902-928 · AU: AU915-928 · AS1: AS923-1 · AS2: AS923-2 · AS3: AS923-3 · AS3: AS923-4 · KR: KR920-923