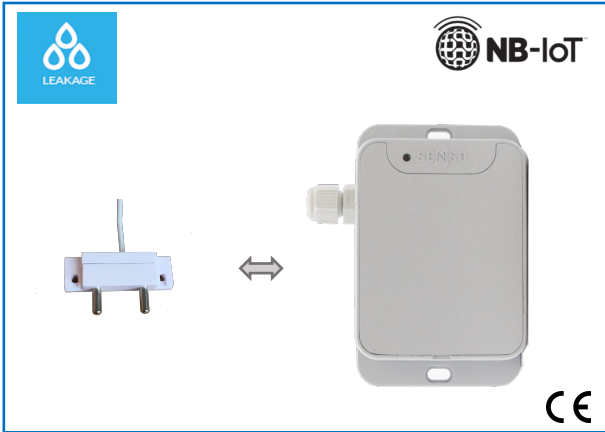


BATTERY POWERED WIRELESS IOT SOLUTIONS MONITOR PREMISES AND ASSETS 24/7

SEN20310 BATTERY POWERED NB-IOT WATER LEAKAGE SENSOR



Product Features

- SEN20310 NB-IoT Water Leakage Sensor provides a simply efficient solution for monitoring water leakage
- 0-300 analog measurement resolution prevent false alert due to environment condition change
- Long Battery life: up to 3 years
- Easy installation without any complex and pricey set up cost
- Support open API
- Application: data center subfloors, HVAC equipment, water pipes, smart toilets...

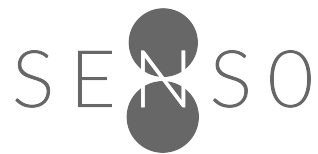
Performance Characteristics

Power	1 x 3.6V C size Battery
Stand-by Current	<30uA @3.6V
Analog-IN Measurement Resolution	0 – 300 Interval
Data Upload Interval	Default every hour (configurable)
Alert Notification	Yes, message to server
Battery Life	Up to 3 Years*

* Conditions: measurement period at every 1 min and upload data at every 1 hour

Wireless Characteristics

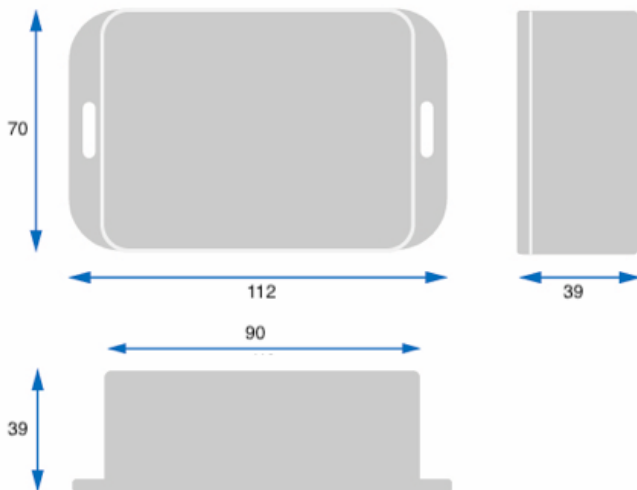
Wireless Connectivity	LTE Cat NB1 (NB-IoT)
NB-IoT Protocol	3GPP Release 13
Operating Band	B1, B3, B5, B8, B20
Uplink Rate	16.7kbps (Single Tone), 62.5kbps (Multi-Tone)
Downlink Rate	25.5kbps (Single Tone), 25.5kbps (Multi-Tone)
Transmit Power	23 dBm +/- 2dB
Sensitivity	-116 dBm
Antenna Type	Build-in Antenna (External Antenna – Optional)



Physical Characteristics

Dimension	L 112mm x W 70mm x H 39mm
Weight	166g
Operating Temperature	-20 to 70°C
Storage Temperature	-20 to 80°C
Storage Humidity Range	<95% RH
Ingress Protection	IP65
Warranty Period	1 Year

Mechanical Dimension



Ordering partnumber

SEN8 NB-IoT 2 pins water leakage sensor	SEN20310-0000
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