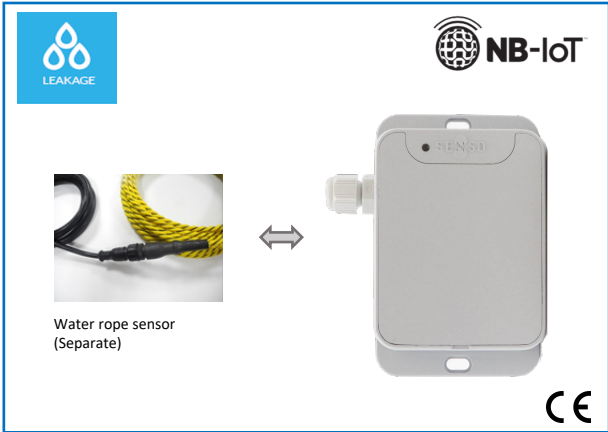


BATTERY POWERED WIRELESS IOT SOLUTIONS
 MONITOR PREMISES AND ASSETS 24/7

SEN20310 series BATTERY POWERED NB-IOT WATER ROPE SENSOR



Product Features

- SEN20310 NB-IoT Water Rope Sensor provides a simply efficient solution for monitoring water leakage
- 0-300 analog measurement resolution prevent false alert due to environment condition change
- Work with up to 100meter water rope sensor
- 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...

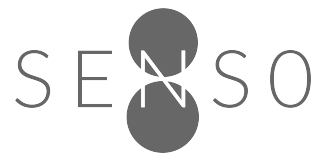
Performance Characteristics

| | |
|----------------------------------|-----------------------------|
| Power | 1 x 3.6V C size battery |
| Stand-by Current | <30uA @3.6V |
| Analog-IN Measurement Resolution | 0 – 300 Interval |
| Supportable water rope length | 100 meter max. |
| Alert Notification | Yes, message send to server |
| Battery Life | Up to 3 Years* |

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

Wireless Characteristics

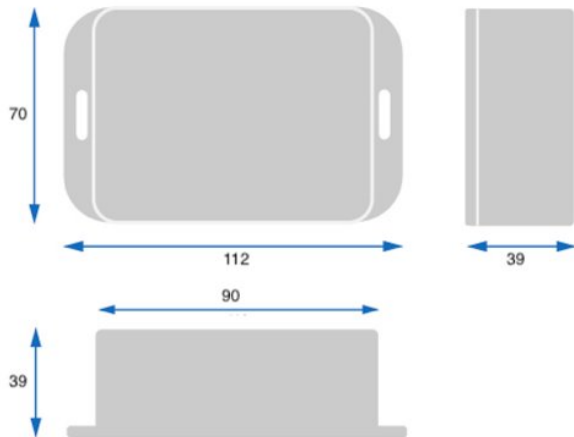
| | |
|-----------------------|--|
| Wireless Connectivity | LTE Cat NB1 (NB-IoT) |
| NB-IoT Protocol | 3GPP Release 13 |
| Operating Band | 1, 3, 5, 8, 20 |
| Uplink Rate | 16.7kbps (Single Tone), 62.5kbps (Multi-Tone) |
| Downlink Rate | 25.5kbps (Single Tone), 25.5kbps (Multi-Tone) |
| Transmit Power | 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

| | |
|--|---------------|
| SENSO8 NB-IoT water rope sensor - 1 meter | SEN20310-W201 |
| SENSO8 NB-IoT water rope sensor - 2 meter | SEN20310-W202 |
| SENSO8 NB-IoT water rope sensor - 3 meter | SEN20310-W203 |
| SENSO8 NB-IoT water rope sensor - 5 meter | SEN20310-W205 |
| SENSO8 NB-IoT water rope sensor - 10 meter | SEN20310-W210 |