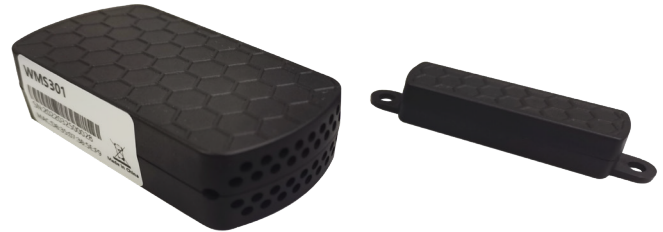# WMS301

## BLE door sensor with temperature and humidity monitoring function

The WMS301 is used to detect door open and close status and to measure temperature and humidity levels. The product is easy to install and features IP66 waterproof housing, making it ideal for cold chain logistics, trailer and container tracking applications when working with Queclink BLE trackers.



## HIGHLIGHTS

- Easy and Low Cost Installation
- IP66 Waterproof
- Long Standby Time
- Real-Time Door Open and Close Status

- Temperature and Humidity Monitoring
- Compact Size
- LED Indicator

| | | | | |
|---|---|---|---|---|
| Dimensions | WMS301:75mm*38mm*19mm<br>Magnet:70mm*14mm*12mm | | T/H Sample Period | 10 seconds |
| Weight | WMS301: 48g<br>Magnet: 18g | | Door Detection Distance | <3cm |
| Operating Voltage | 3V | | Door Status | Interrupt trigger |
| Operating Temperature | -40°C~+70°C | | Static Current | Static: 4.5uA<br>Peak: 10mA<br>Average: 33uA |
| BLE | Support BLE 5.1 protocol | | Installation | 3M sticker |
| Transmission Distance | Maximum 150m (open area) | | Battery Life | Lithium iron battery (1200mAh),<br>over 3 years lifetime |
| IP Rating | IP66 | | | |
| Temperature measurement | Range: -40°C~70°C<br>Accuracy:<br>±0.2°C (5°C~60°C)<br>±1.4°C (<5C or >60C)<br>Resolution: 0.01°C | | | |
| Humidity measurement | Range: 0%RH~100%RH<br>Accuracy:<br>±2 %RH (20%RH~80%RH)<br>±3.5%RH (<20 RH or>80%RH)<br>Resolution: 0.01% RH | | | |