Milesight

Smart Fill Level Monitoring Sensor

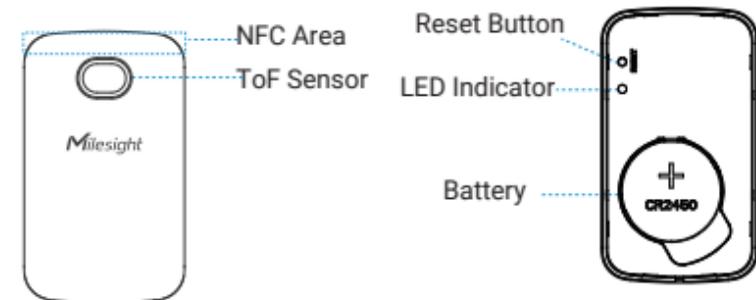WS201

SMART FILL LEVEL MONITORING SENSOR
FEATURING LoRaWAN®

1.Packing List

1 × WS201 Sensor   1 × CR2450 Battery   1 × 3M Tape

1 × Mirror Cleaning Cloth   1 × Quick Start Guide
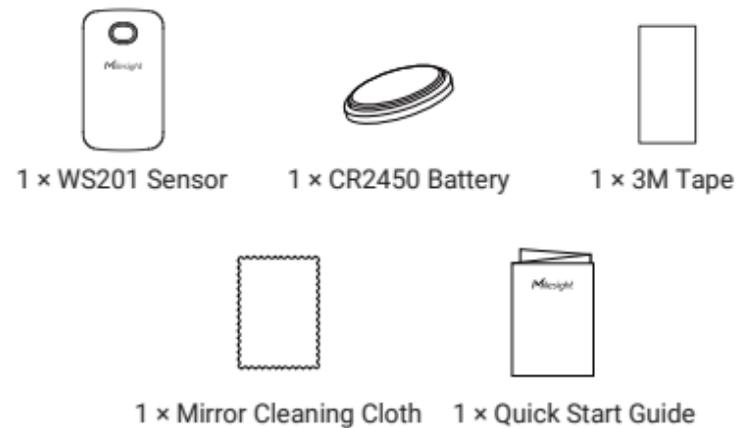
2.Hardware Introduction

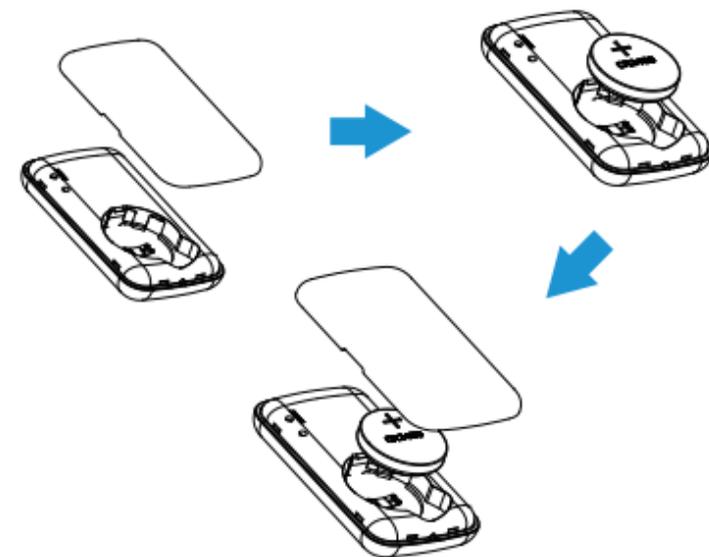NFC Area
ToF Sensor

Reset Button
LED Indicator

Battery

3.Reset Button Patterns

WS201 sensor equips with reset button inside the device for emergency reset or reboot. Usually users can use NFC to complete all steps.

Function	Action	LED Indicator
Reboot	Press and hold the reset button for more than 3 seconds.	Blinks slowly
Reset to Factory Default	Press and hold the reset button for more than 10 seconds.	Blinks quickly
Check On/ Off Status	Quickly press the reset button.	Light On: Device is On.
		Light Off: Device is Off.

4.Power Supply

1.Remove the device back cover.

2.Insert the battery into the battery slot with the positive facing up. After inserting,the device will power on automatically.

3.Align the holes on the rear cover with the WS201, reinstall the cover to the device.

5.Configuration Guide

1. Download "Milesight ToolBox" App on an NFC- supported smartphone.

Android   iOS

2. Open "Milesight ToolBox" App and attach the smartphone with NFC area to read/write the device until App shows a successful prompt. (Default config password: 123456)

NFC

Besides, it can be configured by dedicated NFC reader provided by Milesight IoT.

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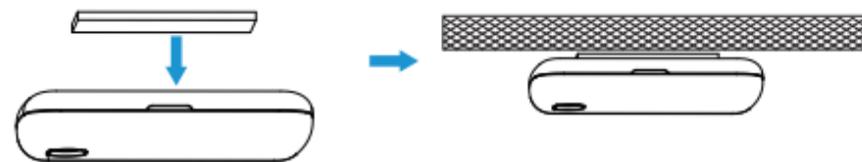Quick Start Guide   Cloud App

Better Inside, More in Sight

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Xiamen 361024, Fujian, China

6.Installation

Paste 3M tape to the back of WS201, then tear the other side and place it on a flat surface.

Installation Note:

- In order to provide the best data transmission, please ensure the device is within the signal range of the LoRaWAN® gateway and keep it away from metal objects and obstacles.
- Avoid strong light, like direct sunlight or IR LED, in the detection area.
- Do not install the device close to glass or mirror.
- After installation, please remove the protective film.
- Do not touch the lens of sensor directly to avoid leaving the fingerprint on it.

- The detecting performance will be affected if there's dust on the lens. Please use the mirror cleaning cloth to clean the lens if needed.
- The device must be placed in a horizontal position on the top of the object so that it has a clear path to the object.
- Prevent device from water.

7. FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and.

(2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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8. Warranty

Limited Warranty Protection

1/2/3 years from original purchase date against all manufacturing defects.

This Warranty does not cover:

- Loss or damage to the equipment due to improper maintenance, or failure to follow operating instructions.
- If defects or damages are caused by the use of unauthorized parts or by service by other than our authorized agent.

Product Warranty Period Overview

Milesight IoT Products	Warranty Period
5G Series/Industrial Routers/IoT Gateways	3 Years
IoT Sensors/IoT Controllers/Sensing Products	2 Years
IoT Weather Station	1 Year

● Gas detecting probes will come with a 1-year warranty
● For detailed information, visit our website at
http://www.milesight.com or http://www.milesight-iot.com
Email: iot.support@milesight.com
Tel: 86-592-5085280

Dealer Stamp:

Model:

Date of Purchase:

QC:

Serial Number: