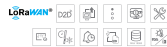
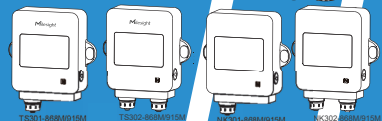


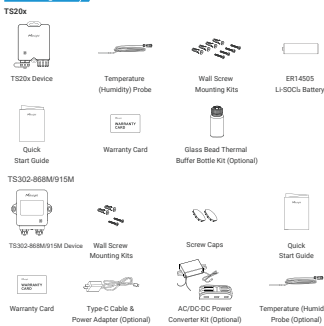
QUICK START GUIDE

TEMPERATURE SENSOR

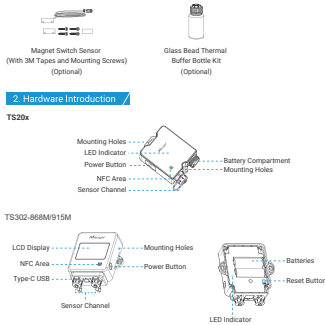
TS20x & TS302-868M/915M



1. Packing List



2. Hardware Introduction



3. LED Indicator and LCD Display Introduction

TS20x		
Function	Action	LED Indicator
Power On/Off	Press and hold the power button for 3s	Power On: Off → On
		Power Off: On → Off
LoRaWAN® Status	Quick press the power button once	De-activated: On
		Activated: On
Probe Connect Detection	Connect the temperature (humidity) probe in the off state and turn on the power after connecting	Failure: Light on for 3s
		Success: Light on for 3s
Data Collection and Reporting	Quick press the power button twice	LoRaWAN® De-activated: Blinks twice
		LoRaWAN® Activated: Blinks twice
Threshold Alarm	The collected data exceeded the set threshold	Blinks Slowly
Reset to Factory Default	Create short circuit with probe 5 and 3 for 10s	Blinks Quickly

TS302-868M/915M

Function	Action	LCD Display
Power On/Off	Press and hold the power button for more than 3 seconds	Power On: All icons show 3s
		Power Off: Off
Update Temperature (Humidity)	Quick press the power button once	Update the latest temperature (humidity) of the current channel
Switch Channel Display (TS302 dual temp/humidity version only)	Quick press the power button twice	Display another channel's latest temperature (humidity)

Function	Action	LED Indicator
Reset to Factory Default	Press and hold the reset button for more than 10 seconds	Blinks quickly

Note: After replacing the probe, it is recommended to quickly press the power button once to confirm the replacement.

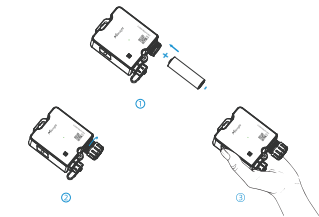
4. Battery Installation (TS20x Only)

Installation Note:

1. To ensure the safety of the device, please make sure to install the battery only after arriving at the intended location of use. This helps prevent potential swelling or damage caused by overheating or air pressure changes during transportation.
2. Connect the temperature (or humidity) probe before installing the battery.
3. Insert the battery and tighten the battery compartment cover. Press and hold the power button for 3s until the indicator light turns on.



Quick Start Guide



Note:

- The device can only be powered by ER14505 Li-SOCl₂ batteries and does not support the use of alkaline batteries.
- If the device is not used for a long period of time, please remove the battery, otherwise it may cause battery leakage and damage to the internal components.
- When replacing batteries, ensure all batteries are new; otherwise, it may shorten battery life or cause inaccurate power calculations.

5. Configuration Guide

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

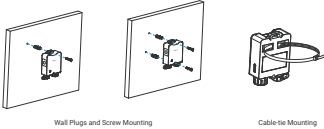


2. Open "Milesight Toolbox" App and attach the NFC area of the smartphone to the device. Click "NFC Read" to read the device and click "Write" to configure the device settings. It's suggested to change the default password for security reasons. (Default password: 123456)

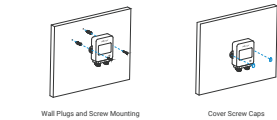


6. Installation

TS20x Device Installation

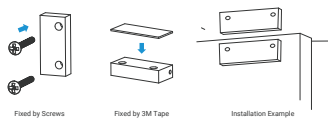


TS302-868M/915M Device Installation



Note: When installing, ensure the LCD display is positioned vertically on the ground below eye level for clear visibility of the content.

Magnet Switch Installation (TS30x Only)



Thermal Buffer Bottle

It is necessary to unplug the stopper inside the bottle cap, then restore the cap and insert the temperature probe into the bottle. When using, it can be placed to places like freezers and refrigerators to ensure more accurate temperature measurement.



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.

ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ISED RF exposure statement:

This equipment complies with ISED 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.

Le rayonnement de la classe B respecte ISED fixé dans un environnement non contrôlé. Installation et mise en œuvre de ce matériel devrait avec écarteur distance minimale entre 20 cm corp. Lanceurs ou ne peuvent pas coexister cette antenne ou capteurs avec d'autres.