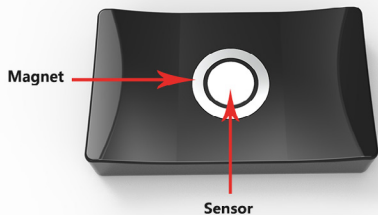# Instructions for Gas Cylinder Level Sensor

Model: TNK-GCi02

Thincke Electronic Technology Co., Ltd.

thincke.com

Model: TNK-GCI02
Gas Cylinder Level Sensor is a device for measuring the residual liquid level of the LPG gas cylinder/ propane bottle.
It can be applied to the following gas cylinders: 5kg, 10kg, 15kg, 50kg.

Note: this device can only be used on **Steel Gas Cylinder**, and the gas cylinder surface is **NOT rusted AND dusty.**

Technical Specifications

Max Measuring range: 1.5m
Measuring error: ±5%FS
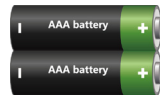Communication: Bluetooth with Mobile phone App
Signal output: Bluetooth
Power supply: 3V DC (AAA Batteries*2)

Just 3 steps to install using the Gas Cylinder Level Sensor

1. Install the battery
Install the battery before use.
Please use 2 *AAA batteries.

2. Install the probe (The installation of the probe is very important.)
Select the bottom of the gas cylinder as the probe installation position, this position should be kept clean, there is no oil dirt and dust.
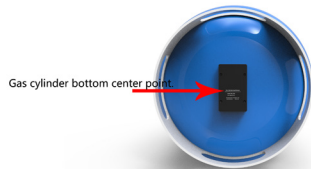Remove the plastic film from the probe surface.
Install the probe on the bottom of the gas cylinder.

Remove the protective film before use.

The sensor is mounted at the bottom center.

The installation is complete.

3. Turn on the device. (After the battery is installed, it will automatically keep the power on state)

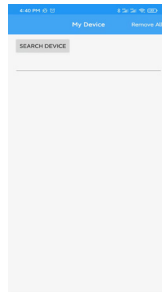After turning on the device, the device will automatically detect the liquid level once.

If the light turns on after the running light, it indicates that the liquid level has been detected.

https://play.google.com/store/apps/details?id=com.qinhaonan.myapp

Or search for **Smart Tanks** on **Google Play.**

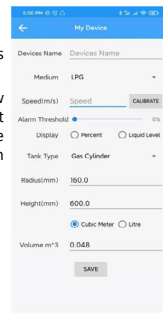## 5. Set up the Smart Tanks App

Step 1:
Click Search Device

Step 2:
Click on the device and return.TNK_Level_Sensor

Step 3:
Click the Settings button.

You can check how much liquid is left by clicking on the gas tank icon on the home.

Step 4: Set the parameters and save

F&Q

1. If there is no light display after the end of the flowing light, it means there is no liquid level at the detection place.

You need to check the following
Is there any rust on the surface of the gas cylinder?
Is the probe installed properly?
Whether the probe installation position is clean.
Is there any deposit on the bottom of the gas tank?

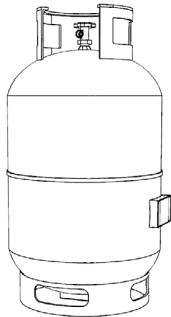**2. The APP could not search for the Bluetooth device.**
Please check whether the Bluetooth device on the mobile phone is turned on.
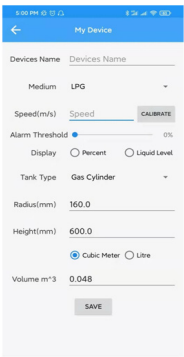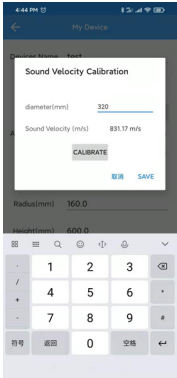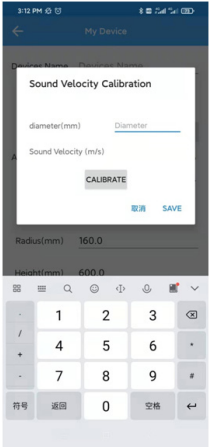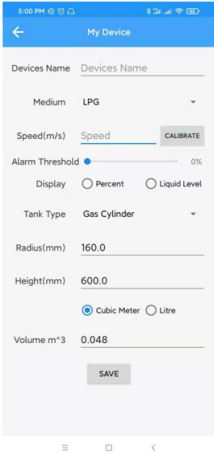Please try to refresh a few more times and try to connect.

Diameter calibration function:

The purpose of diameter calibration is to increase the accuracy of measurement.

(1) When calibrating, the sensor must be temporarily mounted on the side of the cylinder (as close as possible to the bottom), and ensure that the sensor is parallel to the horizontal plane and below the liquid level.

(2) Open the Smart Tanks app, go to the Settings screen, select Calibrate button, enter the diameter of the cylinder, click Calibrate button, wait until the correct sound speed is calculated and click Save. This will give you the correct liquid level value.

(3) Complete the installation.

Install video: https://youtu.be/eJ6dT0JBN4k

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