



SHOWN: SPARK WL-100 RECEIVER AND SENSOR

LORA WIRELESS · UP TO 10 M

● SPARK WL-100 · TANK LEVEL MONITOR

Big tanks. Deep tanks. One clear number.

The Spark WL-100 measures tanks up to 10 m deep with ultrasound, without touching the liquid. The sensor sends the level by LoRa radio to a receiver in the house, and you see it in the Tuya Smart app too, with high and low level alarms.

● Range 40 cm - 10 m

● LoRa wireless

● Tuya Smart app

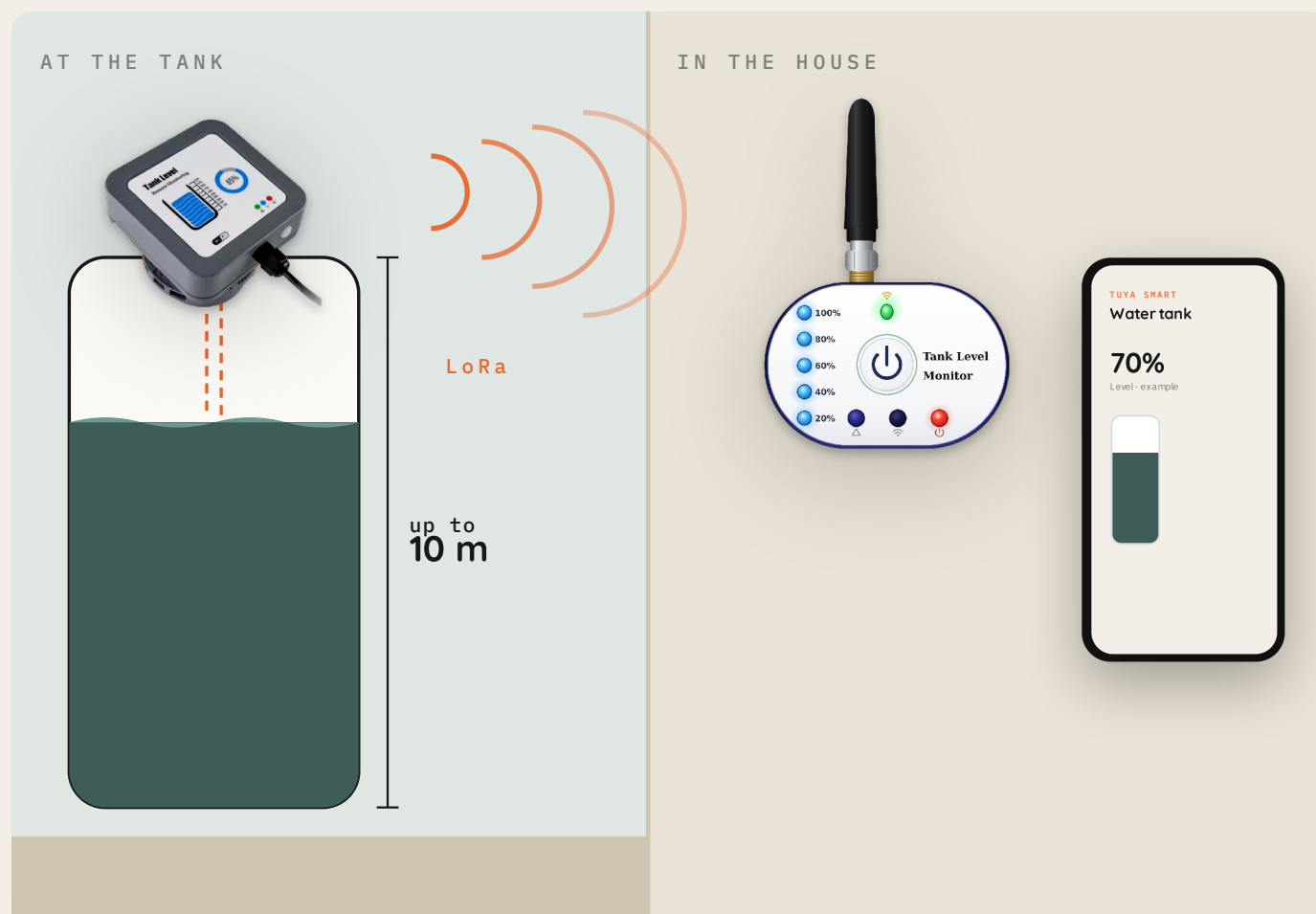
● High & low alarms

● LED level lights

● Water and oil

HOW IT WORKS

Built for tall tanks. Read from inside.



WL-100 sensor

On top of the tank. Ultrasonic.

WL-100 receiver

Indoors. Level at a glance.

Tuya Smart app

Level and alarms.

- 1 Measure**
 The sensor on the tank measures the level with ultrasound, from 40 cm to 10 m. Nothing touches the liquid.
- 2 Send**
 It sends the reading wirelessly by LoRa radio to the receiver inside the house.
- 3 See**
 Five lights on the receiver show the level from 20 to 100 %. The Tuya Smart app shows it too, with alarms.

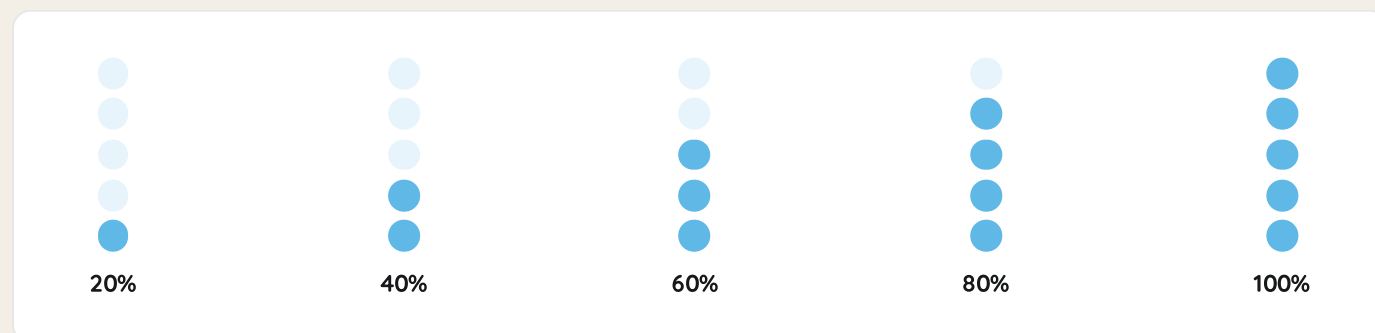
Made for the large outdoor storage tanks found in most homes, and for oil tanks as well: ultrasound reads any liquid without contact.

THE RECEIVER

The tank, in five lights. Read it from across the room.



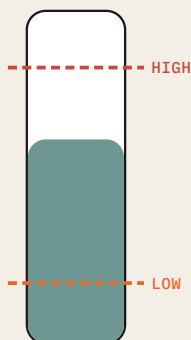
HOW FULL IS THE TANK?



Each blue light is 20 % of the tank. For the exact level and depth, open the Tuya Smart app.

HIGH AND LOW LEVEL ALARMS

High and low alarms. Right on your phone.



1

Set a high and a low level

Choose the levels that matter for your tank: full before it overflows, low before it runs dry.

2

The receiver shows the level

The blue lights show how full the tank is, from 20 to 100 %.

3

Your phone gets the alert

The Tuya Smart app has its own high and low level alarm, so you know even when you are away.

IN THE TUYA SMART APP

The same tank, on your phone.

See the level ratio and the depth from anywhere, and get a notification at high or low level.
Works with Tuya Smart and Smart Life.

TUYA SMART · EXAMPLE

Water tank

Level ratio

70%

Level depth

6.30 m



40 cm - 10 m

Measures tall tanks. The first 40 cm under the sensor is its blind area.



LoRa wireless

No cable between the tank and the receiver.



Water or oil

Ultrasound never touches the liquid.



App alarms

High and low level alerts in Tuya Smart.

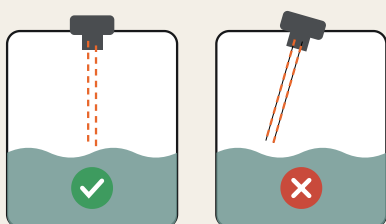
INSTALLATION

Mount it right. Read it right.

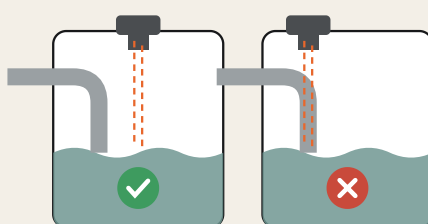


- 1 **On top of the tank**
The probe screws through the tank top and points down at the liquid.
- 2 **Mind the blind area**
Keep the highest liquid level at least 40 cm below the sensor.
- 3 **Up to 10 m**
The maximum installation height is 10 m, from the sensor to the tank bottom.

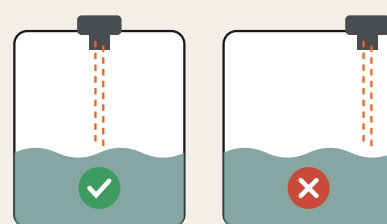
WHERE TO PUT THE SENSOR



Straight down at the liquid



Away from the water inlet



Not close to the tank wall



Perpendicular

Hold the sensor straight, at right angles to the liquid surface.



Away from the inlet

Water falling from the inlet causes false echoes.



Away from the wall

Close to the tank wall, the sensor picks up a strong false echo.

AT A GLANCE

Ten metres of tank. One clear picture.

					
40 cm – 10 m	LoRa	Tuya app	Alarms	LED lights	Water · oil
Measuring range.	Wireless link.	Level and alarms.	High and low.	Level at a glance.	Any liquid.

SPECIFICATIONS

Model	Spark WL-100	Sensor to receiver	LoRa wireless
Kit	Ultrasonic sensor + LED receiver	App	Tuya Smart · Smart Life
Measuring	Ultrasonic, no contact	Alarms	High and low level, in the app
Range	40 cm – 10 m	Receiver shows	Level in 5 steps, 20–100 %
Blind area	40 cm	Receiver lights	Level · Wi-Fi · status
Max. installation height	10 m	Liquids	Water, oil and other liquids

IN THE KIT



- 1 WL-100 receiver**
Five level lights, Wi-Fi light and a power button.
- 2 WL-100 sensor**
Ultrasonic probe with the LoRa transmitter on top.
- 3 Power adapter**
For the receiver.

PART OF THE SPARK HOME

Check the tank from the same Tuya Smart app as your Spark switches, locks and panels.