Liquid level sensor MOES ZSS-LM01-EU-GY-MS

Model: ZSS-LM01-EU-GY-MS

Manufacturer: MOES

EAN: 6978507851552

Product Code: 1743290

R1,958

MOES ZSS-LM01-EU-GY-MS Liquid Level Sensor

Monitor the water level in your tank without having to open it. The MOES ZSS-LM01-EU-GY-MS smart sensor uses ultrasonic technology to provide measurements accurate to ±0.02 m. It supports the MOES, Smart Life, and Tuya apps, allowing you to check the liquid level in real time, analyze measurement history, and receive notifications when set limits are exceeded. The device communicates via the Zigbee 3.0 protocol, and its IP65-rated housing allows for outdoor use as well. An additional Zigbee gateway, sold separately, is required for the smart features to function properly.

Precise Measurement Using Ultrasound

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The MOES sensor uses ultrasonic technology, which enables accurate monitoring of the liquid level in a tank. It offers a measurement precision of ±0.02 m and a range from 0.1 to 4 m, making it suitable even for tall tanks. This way, you can easily monitor the amount of water stored and respond more quickly to changes—without the need for manual measurements.

Check the water level on your smartphone

You don’t have to go to the tank to find out how much water is left in it. Thanks to compatibility with the MOES, Smart Life, and Tuya apps, you can remotely monitor the liquid level in real time. On your phone’s screen, you can check the current water depth, the tank’s fill percentage, and its status. A clear graphical indicator lets you quickly assess the situation, which is especially useful when the tank is located in a hard-to-reach place.

Set your own limits and avoid unpleasant surprises

Ensure the proper water level by setting your own upper and lower alarm thresholds. In the app, you can set the values—once exceeded, the sensor will alert you to a level that’s too high or too low. You can also configure the alarm duration and adjust the settings to match the tank’s height. This solution helps prevent overfilling, as well as situations where a lack of water could disrupt the pump’s operation.

Measurement History Always at Your Fingertips

Want to see how the water level has changed recently? The app lets you view graphs showing changes in the liquid level on a daily, monthly, and yearly basis. An alarm history is also available, allowing you to see when the tank reached the set thresholds. This is a practical way to analyze water consumption and monitor changes in the tank.

Smart Integration with a Water Pump

The device can also serve as part of a smart liquid-level management system. Thanks to its automation feature, you can link the sensor’s readings to the operation of a water pump controlled via a compatible smart plug. For example, a drop in the liquid level below a set value can trigger the pump to start automatically. This simplifies tank filling management and reduces the need for

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manual control of the entire process.

Works Well in Various Tanks

The MOES sensor is suitable for water tanks of various sizes and designs—both indoors and outdoors. It can be installed on tanks used in households, water systems, or utility facilities. The measurement range and the ability to adjust settings in the app allow you to tailor its operation to a specific installation. However, please note that the device is not designed to measure oil levels or bulk materials.

Resistance to Harsh Conditions

You don’t have to worry about rain, dust, or accidental splashes. The sensor’s housing meets IP65 protection requirements, making the device suitable for outdoor installation. Additionally, its wide operating temperature range, from -20°C to 70°C, allows it to be used in a variety of environmental conditions. It is a practical choice for tanks located in open areas, where the device may be exposed to changing weather conditions.

Included in the package

- MOES liquid level sensor x1
- User manual x1

Manufacturer	MOES
Model	ZSS-LM01-EU-GY-MS
Measurement technology	Ultrasonic
Measurement range	0.1–4 m
Measurement accuracy	±0.02 m
Mains power supply	AC 110–240 V
Sensor Power Supply	DC 5 V, ≤100 mA

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Rated Voltage and Current	DC 5 V, 1 A
Operating Temperature	–20°C to 70°C
Protection Rating	IP65
Communication protocol	Zigbee 3.0
Frequency band	2.412–2.484 GHz
Maximum transmission power	< +16 dBm
Compatible apps	MOES, Smart Life, Tuya
Supported features	Real-time liquid level monitoring, setting upper and lower limits, push notifications, audible alarm, measurement history, liquid level graphs, automations
Cable length	2.8 m
Required gateway	Zigbee (sold separately)

Information about data generation: https://dataact.innpro.pl/Moes/6978507851552, GPSR Link: https://psr-assets.innpro.pl/smarthome/sg_smarthome_actuators.pdf, PPWR: https://ppwr.innpro.pl/en/moes, Gross weight: 259, Net weight: 240, Box width: 16,20, Box height: 5,00, Box length: 10,30, Last delivery: 15.11.2026

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