Portable Ultrasonic Liquid Level Indicator

With every product from Smagall, you can get:

- Safe and quick detection of liquid level in your tank
- Reliable performance
- 24-Hour English technical instruction
- Convenient and simple operation and maintenance.



General Description

The portable liquid level indicator is designed to measure the presence or absence of liquid at a certain height position in a container or in pipelines. The material of measurable liquid containers can be made of various kinds of materials like metal, glass or unfoamed plastics.

Under ordinary conditions, the maximum wall thickness of measurable containers is 30mm. The product is applicable to the detection of various types of liquids (without

crystallization or other particulate matter). Due to the technique of non-contact detection this liquid level indicator is an ideal choice for the detection of dangerous toxic or corrosive liquids.

Measurable medium

pure liquid, milky liquid, suspension liquid

Applicable Tank

• CO2Tank with any of the following diameter ranges:

210mm-230mm, 265mm-285mm, 340mm-360mm and 390mm-410mm

Common Tank

All tanks outside the above tank diameter ranges can be considered as common type. vertical tank / horizontal tank / spherical tank(diameter < 3M)

The indicator has no requirement towards medium, height and pressure.

Features

- No contact with medium
- Suitable for toxic, corrosive, or invasive medium
- No need for drilling or welding on tank wall
- Advanced ultrasonic sensor technology
- Reliable measurement results
- Easy and convenient to operate and maintain
- Ultrasonic adaptive detection algorithm.
- High-contrast OLED color display, suitable for outdoor use under strong light



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Main Specifications

Measurement accuracy	<5mm	
Measurable range of wall thickness	3~30mm	
Measurable tank material	Steel, stainless steel, glass, unformed plastics	
Measurable medium	Pure liquid, milky liquid, suspension liquid	
Ambient temperature	-20°C ~ 60°C (-4° F ~ +140° F)	
Ambient humidity	15% ~ 85% RH	
Power supply	Two 18650 lithium batteries (supplied by customers)	
Current	150mAh (on average)	
Operation Duration (fully charged)	> 8 hours	

Product Details

Housing Body

- Nontoxic harmless engineering plastics
- Handheld ergonomic design
- Large screen with clear interface
- Simple operation, saving training cost





LED Display

- Visual operation interface
- High screen resolution: night time visibility
- Liquid area or no liquid data can be visually displayed

Interface

- Aviation plug
- Locking structure, reliable connection and not easy to loose
- With protective cap, keep joint clean and not easy to be damaged





Switch

- Mechanical Switch
- Short start—up time
- Easy handling

Power Indicator Light

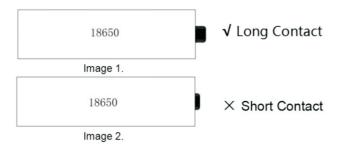
Easy to judge battery power according to lightness of the indicator
 (More power, brighter)



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Battery

- 18650 lithium rechargeable battery
- Convenient replacement
- Environmental
- Single battery is workable for indicator
- Two batteries



Please note, the length of standard 18650 lithium battery is 65 ± 2.0 mm. If you see the above two dimensions of 18650 battery, please select the one with longer protruding. (see Image 1.)

Model Selection:

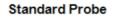


One Probe with two sensors, suitable for various types of tanks;

No need of ultrasonic couplant, cost saving, convenient and no pollution;

Three kinds of probe rod optional for different requirement





Length: 190mm Application: For single row tanks



Extension Probe

Length: 600mm Application: For multi-row tanks



Extension Probe

Length: 440-740mm Application: For multi-row tanks

Six combinations are optional

No.	Product Description	Probe Rode Combination
 	Portable Ultrasonic Liquid Level Indicator with STANDARD PROBE ROD HS-MLI-1	Ligald area
2 	Portable Ultrasonic Liquid Level Indicator with EXTENSION PROBE ROD HS–MLI–2	600mm
3	Portable Ultrasonic Liquid Level Indicator with 90 DEGREE PROBE ROD HS–MLI–3	Liquid ares
4 	Portable Ultrasonic Liquid Level Indicator with one STANDARD PROBE RDE and one EXTENSION PROBE ROD HS-MLI-4	190mm 600mm
5	Portable Ultrasonic Liquid Level Indicator with one STANDARD PROBE ROD and one 90 DEGREE PROBE ROD HS–MLI–5	190mm
6	Portable Ultrasonic Liquid Level Indicator with one EXTENSION PROBE RDE and one 90 DEGREE PROBE ROD HS-MLI-6	A40.746mm floyabio

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