

Portable Ultrasonic Liquid Level Indicator

With products from HERGULLU, 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

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

Applicable Tank

vertical tank / horizontal tank / spherical tank(diameter > 3M)

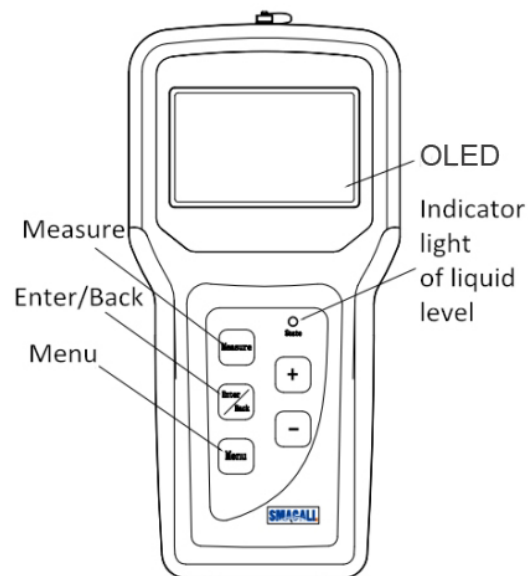
CO2 Tank

Features

- No contact with medium
- Suitable for toxic, corrosive, or invasive medium
- No need for drilling or welding on tank wall
- 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
- The ultrasonic-waveform-display function facilitates parameter testing, wave form comparing and application of other functions to ensure measurement accuracy in complicated situations
- Good user interface design
- Comprehensive software displays measurement result in a simple manner
- Bilingual operation modes



Product Structure



- Simple to operate using button;
- OLED light indicating liquid level;
- Ultrasonic-waveform-display function facilitates parameter testing, waveform comparing and application of other functions to ensure measurement accuracy in complicated situations.
- FM 200 and NOVEC 1230

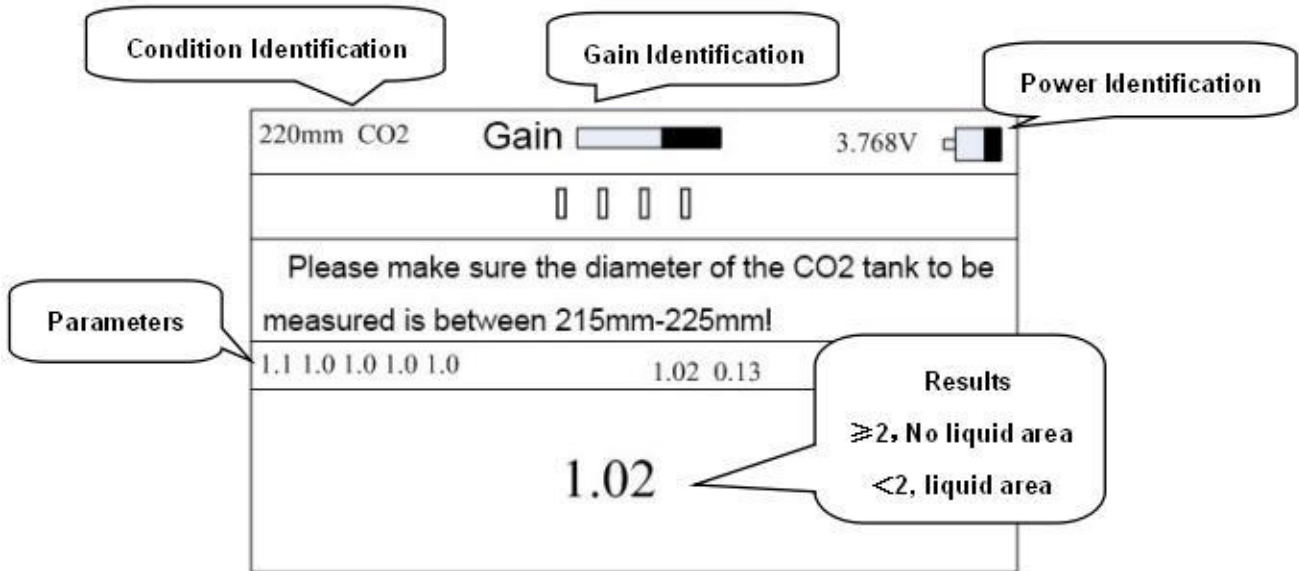
Suppression Cylinders

- CO₂ tanks with any of the following diameter ranges:

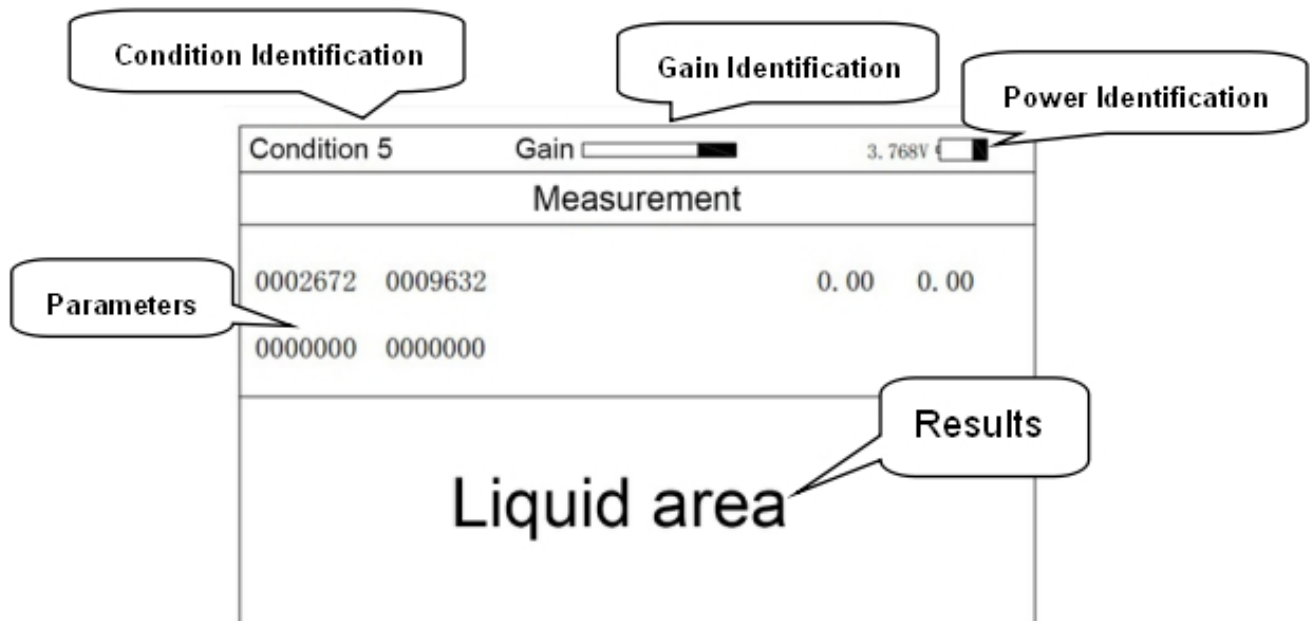
215mm - 225mm, 270mm- 280mm, 345mm - 355mm, 395mm-405mm.

Interface Display

CO2 Tank: 215mm-225mm, 270mm-280mm, 345mm-355mm,395mm-405mm



Common Tank: Vertical tank, horizontal tank, spherical tank (diameter > 3m)



Main Specifications

Measurement accuracy	<2mm
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	218650 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)



Battery

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



Image 1.



Image 2.

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



Standard Probe

Length: 190mm

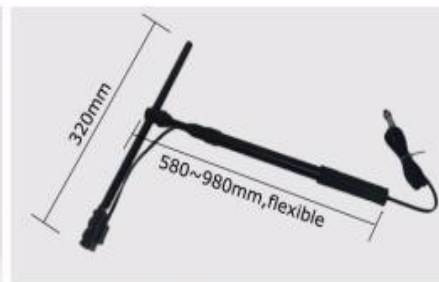
Application: For Single row tanks



Extension Probe

Length: 600mm

Application: For multi-row tanks








Extension Probe

Length: 580~980mm

Application: For multi-row and narrow space tanks

Six combinations are optional

No.	Product Description	Probe Rode Combination
1	Portable Ultrasonic Liquid Level Indicator with STANDARD PROBE ROD HS-MLI-1	

2	<p>Portable Ultrasonic Liquid Level Indicator with EXTENSION PROBE ROD</p> <p>HS-MLI-2</p>	 <p>The image shows the HS-MLI-2 portable ultrasonic liquid level indicator, a handheld device with a screen and buttons. Next to it is a long, thin black extension probe rod with an orange tip. A vertical dimension line indicates the rod is 600mm long.</p>
3	<p>Portable Ultrasonic Liquid Level Indicator with 90 DEGREE PROBE ROD</p> <p>HS-MLI-3</p>	 <p>The image shows the HS-MLI-3 portable ultrasonic liquid level indicator. Next to it is a probe rod with a 90-degree bend at the top. A horizontal dimension line indicates the top section is 320mm wide, and a vertical dimension line indicates the main rod length is 580-980mm, flexible.</p>
4	<p>Portable Ultrasonic Liquid Level Indicator with one STANDARD PROBE RODE and one EXTENSION PROBE ROD</p> <p>HS-MLI-4</p>	 <p>The image shows the HS-MLI-4 portable ultrasonic liquid level indicator. It includes a standard probe rod (600mm long) and an extension probe rod (190mm long). The device is shown in the center.</p>
5	<p>Portable Ultrasonic Liquid Level Indicator with one STANDARD PROBE RODE and one 90 DEGREE PROBE ROD</p> <p>HS-MLI-5</p>	 <p>The image shows the HS-MLI-5 portable ultrasonic liquid level indicator. It includes a standard probe rod (580-980mm, flexible) and a 90-degree probe rod (320mm wide top section). The device is shown in the center.</p>
6	<p>Portable Ultrasonic Liquid Level Indicator with one EXTENSION PROBE RODE and one 90 DEGREE PROBE ROD</p> <p>HS-MLI-6</p>	 <p>The image shows the HS-MLI-6 portable ultrasonic liquid level indicator. It includes an extension probe rod (600mm long) and a 90-degree probe rod (320mm wide top section, 580-980mm, flexible). The device is shown in the center.</p>

Application



For CO2 storage tank of the fire fighting system in the offshore drilling platform.



For dangerous chemicals in storage tank



Measurement results visually displayed;
Green light indicating liquid area;
Red light indicating non-liquid area;

Qualifications



Certificate
of High-tech
Enterprise



ISO 9001



Patent for
Invention



Innovation Fund



CCAIA
Certificate
by CCAIA



License for
Producing
Measurement
Equipment



Authorized
Supplier
for CNOOC



Authorized
Supplier
for CNPC





Certificate
of Software
Copyright



Explosion-proof
Certificate

Packing

Item	Inner Package	Outer Package										
Pictures	 <p>Certificate of approval Warranty Operation manual Main instrument Probe</p>	 <p>SMACALL Model: SMC-1000 Serial No.: 0123456789 Portable Ultrasonic Liquid Level Indicator Xi'an Huashun Measuring Equipment Co., Ltd. Address: 100, Block A, Government Building, No. Zhonghua Road, Xian City, Shaanxi Province, P.R. China www.smacall.com</p>										
Description	<p>Professional engineering instrument box with protective layer; Convenient to carry with strap and handle; Free from impact and damage; Packing List:</p> <table border="0"> <tr> <td>Portable liquid level indicator</td> <td>1 piece</td> </tr> <tr> <td>Ultrasonic probe</td> <td>1 piece</td> </tr> <tr> <td>Manual</td> <td>1 piece</td> </tr> <tr> <td>Certificate of approval</td> <td>1 piece</td> </tr> <tr> <td>Warranty Card</td> <td>1 piece</td> </tr> </table>	Portable liquid level indicator	1 piece	Ultrasonic probe	1 piece	Manual	1 piece	Certificate of approval	1 piece	Warranty Card	1 piece	<p>Carton Packing G.W.:2.5 kg N.W.:0.5 kg Size:420*320*130mm</p>
Portable liquid level indicator	1 piece											
Ultrasonic probe	1 piece											
Manual	1 piece											
Certificate of approval	1 piece											
Warranty Card	1 piece											

HERGULLU

INTERNATIONAL TRADING COMPANY


LLI Price List

No.	Product Description	Product Pictures	Qty. (Set)	Unit Price (EURO)	Total (EURO)
1	Portable Ultrasonic Liquid Level Indicator with STANDARD PROBE ROD		1	€950	€950
2	Portable Ultrasonic Liquid Level Indicator with EXTENSION PROBE ROD		1	€1.075	€1.075
3	Portable Ultrasonic Liquid Level Indicator with 90 DEGREE PROBE ROD		1	€1.300	€1.300
4	Portable Ultrasonic Liquid Level Indicator with one STANDARD PROBE RODE and one EXTENSION PROBE ROD		1	€1.453	€1.453
5	Portable Ultrasonic Liquid Level Indicator with one STANDARD PROBE RODE and one 90 DEGREE PROBE ROD		1	€1.561	€1.561

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No.	Product Description	Probe Pictures	Qty. (Set)	Unit Price	Total
6	Portable Ultrasonic Liquid Level Indicator with one EXTENSION PROBE RODE and one 90 DEGREE PROBE ROD		1	€1.669	€1.669

Specifications



Technical parameters:

1. Power supply: Two 18650 lithium batteries
2. Accuracy: <2mm
3. Material: Cast aluminum
4. Measurable tank wall thickness: 3~30mm
5. Measurable tank material: Steel, stainless steel, glass, unformed plastics, etc.
6. Medium: Pure liquid, milky liquid, suspension liquid, etc.
7. Ambient temperature: -20°C~+60°C
8. Ambient humidity: 15%~85%RH
9. Current: 100mA
10. Certificates: ISO, CE

Features:

- 1.NO-CONTACT with medium, best choice for dangerous toxic or corrosive liquids
- 2.OLED display,suitable for outdoor use under strong light.
- 3.ACCURATE results under complicated situations with ultrasonic-waveform-display function.
- 4.Results VISUALLY displayed with comprehensive software.
- 5.EASE of operation using push button,no need of training.
- 6.FLOATING designed probe,suitable for any size tanks without silicone grease.
- 7.THREE kinds rods for multi-banked rows of cylinders.
- 8.10h operation duration.

1. Price Term: EXW

2. Transportation: By Express

2. Delivery time: Within 2 working days after full payment;

3. Packing: 1 set in 1 carton;

4. Payment Terms: 100% T/T

Check out our website for more

<https://hergullu.com>

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