

# HS-MLI

## Portable Ultrasonic Liquid Level Indicator



## Portable Ultrasonic Liquid Level Indicator (HS-MLI)



- The HS-MLI allows users to monitor for the presence or absence of liquid at various locations throughout containers or pipelines.
- Using non-contact detection technology, the liquid level indicator presents the ideal tool for identifying dangerous toxic or corrosive liquids.

## Features and Benefits



### Benefits

- No contact with medium: useful for toxic, corrosive, or invasive liquids
- No need for drilling or welding on the container wall
- Easy to use: no training required
- Annual calibration certification provided
- Simple and convenient to operate and maintain

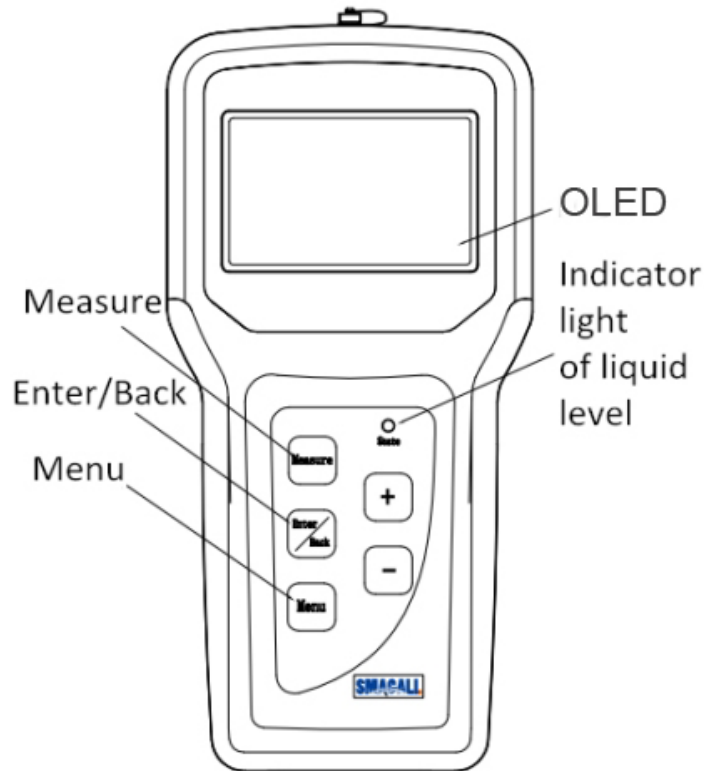
### Features

- Ultrasonic adaptive detection algorithm
- High-contrast OLED color display: suitable for outdoor use
- Ultrasonic-waveform-display function that facilitates parameter testing and waveform comparison, among other applications, to ensure accurate measurements in difficult conditions
- Logical, intuitive interface design
- Comprehensive software that displays measurement results in a simple manner
- Bilingual operating modes (Chinese/English)



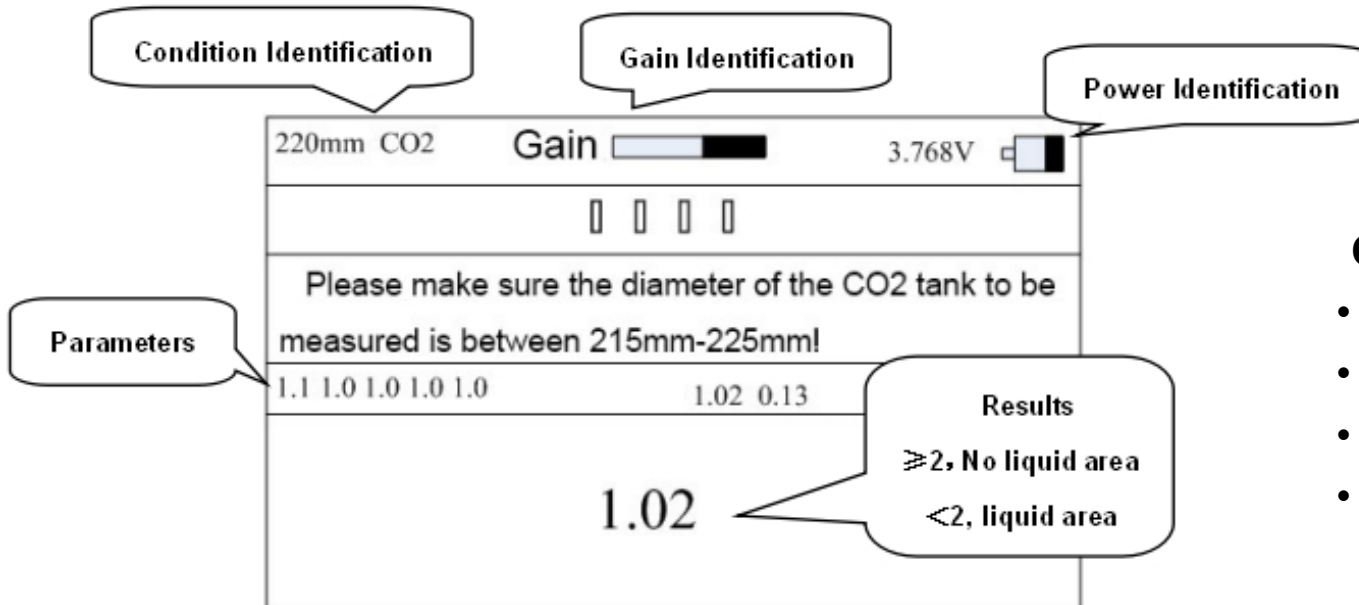
- Measurement results visually displayed
- Green light indicating liquid area
- Red light indicating non-liquid area

## Product Structure



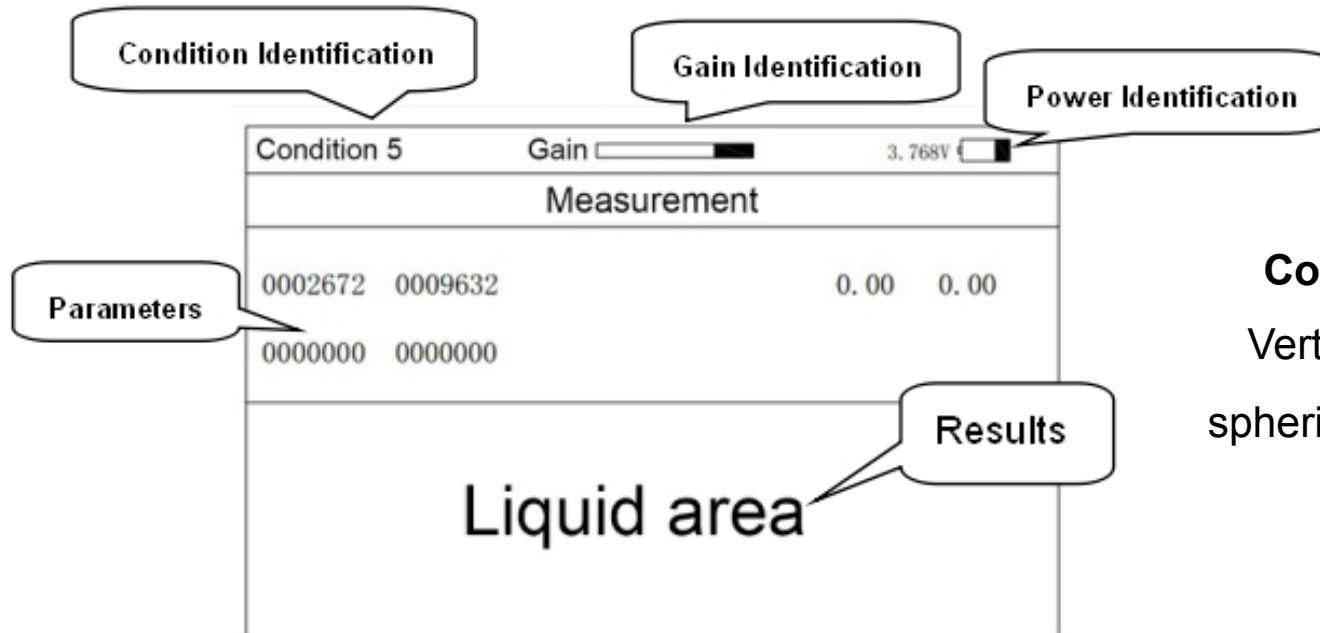
- Easy operation using simple, logical layout
- OLED light for indicating liquid level;
- Ultrasonic-waveform-display used to easily facilitate parameter testing and waveform comparison, among other functions, to ensure confident, accurate measurements in complicated or adverse situations.

## Interface Display



- ### CO2 Tank Levels
- 215mm-225mm
  - 270mm-280mm
  - 345mm-355mm
  - 395mm-405mm

## Interface Display



### Common Tank Options

Vertical tank, horizontal tank,  
spherical tank (diameter > 3m)

## Product details



### Housing Body

- ❑ Utilizes nontoxic engineering plastics
- ❑ Ergonomic handheld design
- ❑ Large screen with crisp, clear interface
- ❑ Simple operation, reduces training cost



### LED Display

- ❑ Large visual operation interface
- ❑ High screen resolution with night time visibility
- ❑ “Liquid area”/”No liquid data” visually displayed with large text





## Interface

- ❑ Aviation plug
- ❑ Locking structure for a strong, reliable connection that is not easily lost or broken
- ❑ Protective cap to keep the joint clean and free from damage

## Switch

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



## Power Indicator Light

- ❑ Displays battery power according to the brightness of the indicator (bright indicator, more available power)



## Battery

- ❑ 18650 lithium rechargeable battery
- ❑ Convenient replacement
- ❑ Environmentally-friendly
- ❑ Single battery can be used for shorter operation
- ❑ Up to 8 hours of operating time when two batteries are used



18650

✓ Long Contact

Image 1.



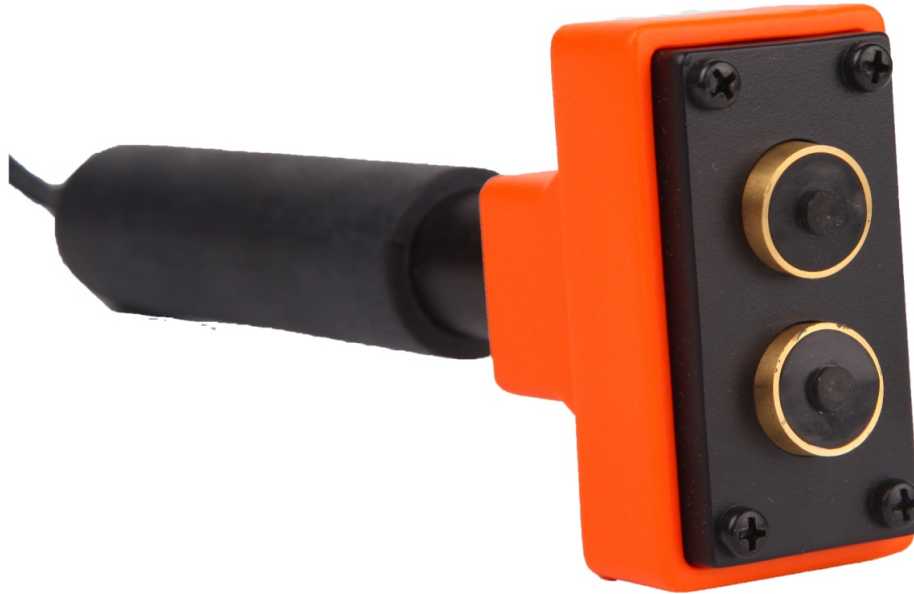
18650

✗ Short Contact

Image 2.

Please note, the length of standard 18650 lithium battery is  $65 \pm 2.0$ mm.

If you see the above two dimensions of 18650 battery, please select the one with longer protruding.  
(see Image 1.)



## Probes

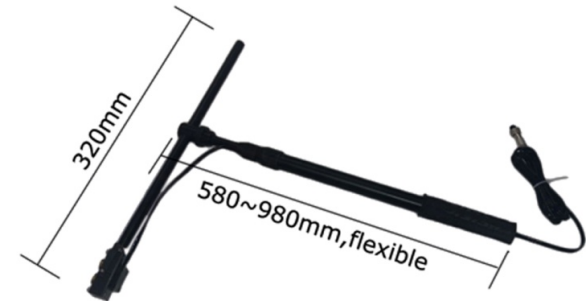
One probe with two sensors, suitable for various types of tanks;  
No need of ultrasonic couplant, cost-saving and no pollution;  
Three kinds of probe rod optional for different requirements;  
Six combinations are optional;



HS-MLI-PS









HS-MLI-PE



HS-MLI-PD

## Available Variants

No.	Product Description	Probe Rode Combination
1	Portable Ultrasonic Liquid Level Indicator with Standard Probe Rod  HS-MLI-1	
2	Portable Ultrasonic Liquid Level Indicator with Extension Probe Rod  HS-MLI-2	
3	Portable Ultrasonic Liquid Level Indicator with 90 Degree Probe Rod  HS-MLI-3	

No.	Product Description	Probe Rode Combination
4	Portable Ultrasonic Liquid Level Indicator With One Standard Probe Rode And One Extension Probe Rod  HS-MLI-4	
5	Portable Ultrasonic Liquid Level Indicator With One Standard Probe Rode And One 90 Degree Probe Rod  HS-MLI-5	
6	Portable Ultrasonic Liquid Level Indicator With One Extension Probe Rode And One 90 Degree Probe Rod  HS-MLI-6	

## Applications



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





For dangerous chemicals in storage tank



For calibration of liquid level meter

## Packing and Storage

	Inner Package	Outer Package										
Photo	 <p>Certificate of approval Warranty Operation manual Main instrument Probe</p>											
Description	<ul style="list-style-type: none"> <li>- Professional, sturdy instrument box with a protective layer;</li> <li>- Convenient for carrying with a strap and handle;</li> <li>- Keeps device safe from impact and damage;</li> </ul> <p><b>Packing list:</b></p> <table> <tr> <td>Portable liquid level indicator</td> <td>x1</td> </tr> <tr> <td>Ultrasonic probe</td> <td>x1</td> </tr> <tr> <td>Manual</td> <td>x1</td> </tr> <tr> <td>Certificate of approval</td> <td>x1</td> </tr> <tr> <td>Warranty Card</td> <td>x1</td> </tr> </table>	Portable liquid level indicator	x1	Ultrasonic probe	x1	Manual	x1	Certificate of approval	x1	Warranty Card	x1	<p>Carton Packing G.W.:2.5 kg N.W.:0.5 kg Size: 420*320*130mm</p>
Portable liquid level indicator	x1											
Ultrasonic probe	x1											
Manual	x1											
Certificate of approval	x1											
Warranty Card	x1											