

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. It is noted that medium density, permittivity, conductivity, reflection coefficient, pressure, temperature, precipitation or other factors have negligible influence on the

measurement result. 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.

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
- The ultrasonic-waveform-display function facilitates parameter testing, waveform 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 (Chinese/English)



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	One 2000mAh lithium polymer battery (4.2V --- 3.5V)
Current	100mAh (on average)
Operation Duration (fully charged)	> 8 hours

Applicable Tank

- vertical tank
- horizontal tank
- spherical tank(diameter > 3M)
- CO₂ tanks with any of the following diameter ranges:
215mm - 225mm,
270mm- 280mm,
345mm - 355mm
395mm-405mm.



Packing List

Item	No.
Portable liquid level indicator	1
Ultrasonic probe	1
USB cable 1.5m	1
Manual	1
Certificate of approval	1
Warranty	1



Packing Size: 400mm*110mm*290mm

Gross Weight: 2.55kg

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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