

Ultrasonic Level Meter **UL200**

Introduction

Designed for continuous level measurement of liquid or bulk solids, UL200 is good for a wide range of applications like food and beverage industry, water/waste water treatment, barn etc.. Non-contact measurement, cost efficient, optional corrosive proof model available.



Characteristics

Measuring range:
0.35...5m / 1.2...16.5 ft
0.5...10m / 1.7...33 ft

For solids, liquids, powder etc.

Analog output / HART / RS485

Easy to use / long duration

Continuous level measuring for small / medium size tank or container

Applications

Non-contact measurement

Water treatment

Power plant

Barn

Steel mill

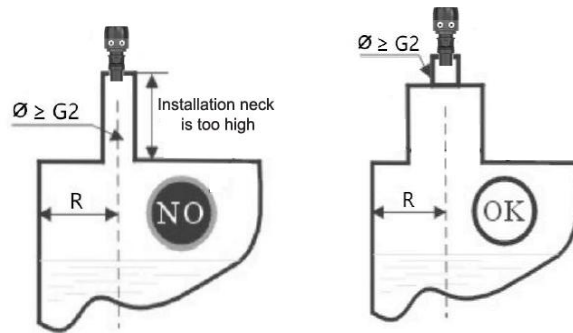
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Specifications

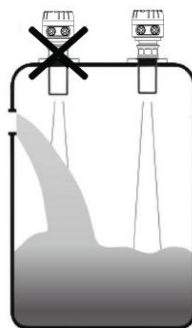
Measuring range	0.35...5m / 1.2...16.5 ft
	0.5...10m / 1.7...33 ft
	See measuring range below for details
Measuring range setting through menu	YES
Operating voltage	24 ± 20% VDC
Operating frequency	40 KHz ± 5%; 50 KHz ± 5%
Temperature compensation	YES
Signal output	2-wire: 4...20mA / 24VDC
	HART
	RS485
Emitting angle	10°
Resolution	≤3mm
Accuracy	0.25% of reading value, Max. 3cm
Display	LCD
Wiring protection	Over-load protection
	Short-cut protection
	Reverse polarity protection
Pressure resistance	3 bar
Ambient temperature	-20...70°C / -4...158°F
Storage temperature	-40...80°C / -40...176°F
Housing material	Aluminum
Process connection	G2
Protection class	IP65

Installation

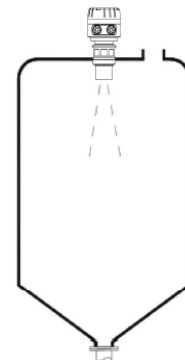
A install neck is needed if the maximum level in the tank interferes with the blind zone. The neck diameter should be as large as possible, and the height of the neck should be as low as possible.



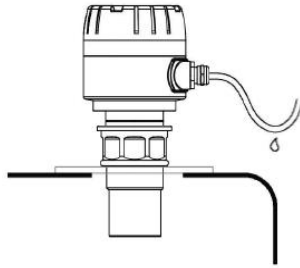
Keep distance from filling point



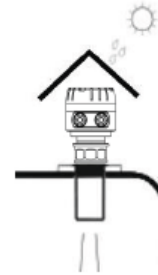
For cone container, the ideal position is top-center



To avoid intrusion of humidity, follow right figure to run the cable under cable bushing, so the rain/water can flow off

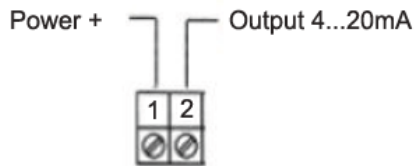
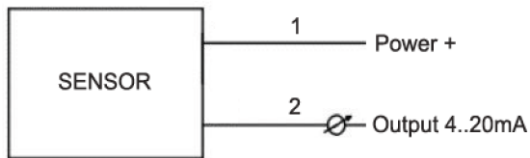


A shield cover is recommended if the meter may expose to sun/rain

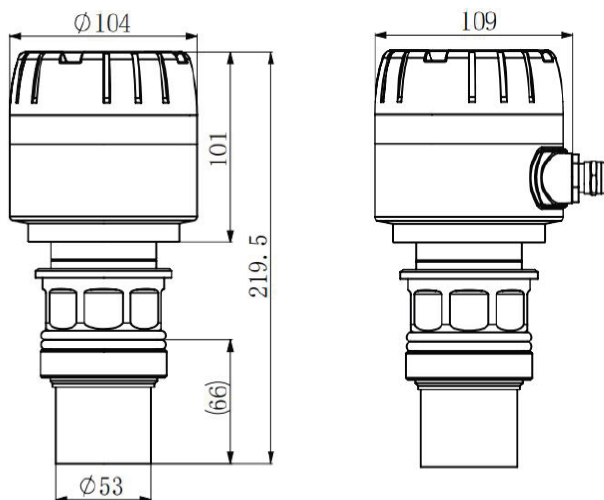


Wiring

2-wire 4...20mA output



Dimensions in mm



Order Code

Example: UL200-10A2NN

1. UL200-

UL200- Ultrasonic level meter

2. Measuring range

5 5m / 16.5ft (blind area 0.35m / 1.2ft)

10 10m / 33ft (blind area 0.5m / 1.7 ft)

3. Output

A 4-20mA

4. Wiring

2 2-wire

5. Corrosive proof

N Standard

C Corrosive proof

6. Protocol

N None

H HART

R RS485