

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 corrosion resistance 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.

4...20mA with HART

Easy to use

For small / medium size tank or container

Applications

Non-contact measurement

Water treatment

Power plant

Barn

Steel mill

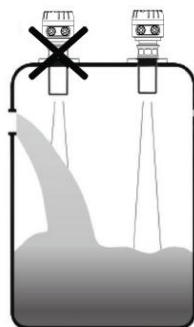
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Specifications

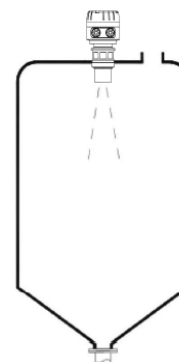
Measuring range	0.35...5m / 1.2...16.5 ft
	0.5...10m / 1.7...33 ft
	See measuring range below for details
Measuring range setting	Through menu
Operating voltage	24 ± 20% VDC
Operating frequency	0.5...10m: 40 KHz
	0.35...5m: 64KHz
Temperature compensation	Compensating the sound velocity influence caused by temperature changes
Signal output	4...20mA
	4...20mA with HART
Resolution	≤3mm
Accuracy	0.25% of reading, Max. 3cm
Display	LCD
Wiring protection	Over-load
	Short-cut
	Reverse polarity
Pressure resistance	43.5 psi / 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 Considerations

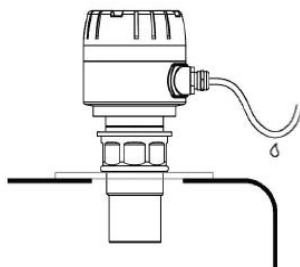
Keep distance from filling point



For cone container, the ideal position is top-center



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

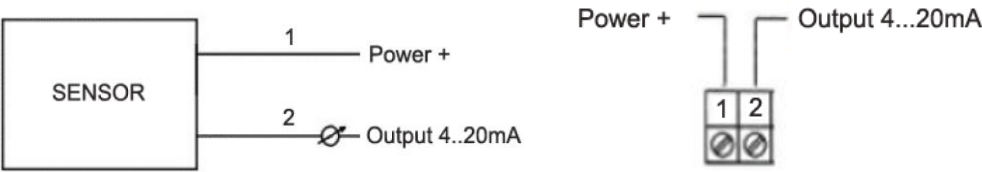


A shield cover is recommended if the meter may expose to sun/rain

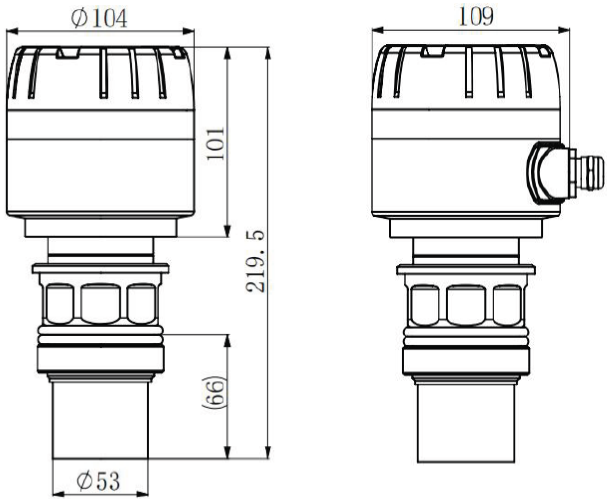


Wiring

2-wire 4...20mA output



Dimensions in mm



Order Code

Example: UL200-10A2N

1. UL200-

UL200- Ultrasonic level meter

2. Measuring range

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

3. Output

A 4...20mA
H 4...20mA with HART

4. Wiring

2 2-wire

5. Corrosion resistance

N Standard
C Corrosion resistance