



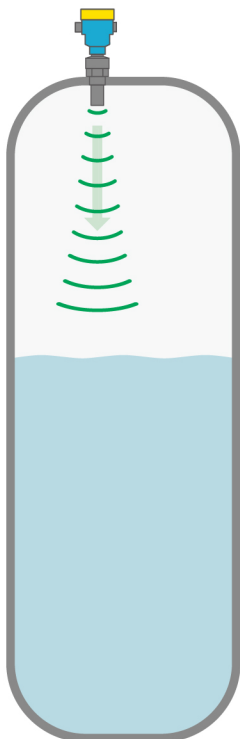
Uson Ultrasonic Level Transmitter

Overview

The Uson series ultrasonic level transmitter is designed for continuous, non-contact liquid level measurement. It operates reliably in open tanks and is widely used in chemical, power, environmental, and water industries.




Principle

The transducer emits ultrasonic pulses that reflect off the liquid surface. The level is calculated by measuring the time between emission and echo.



Benefits

- **High protection:** Rated IP66/IP67 for excellent dust and water resistance.
- **Explosion-proof:** Certified Exd IIC T6 Gb for safe use in hazardous areas.
- **Reliable:** High-accuracy measurement with intelligent temperature compensation.
- **Flexible options:** Corrosion-resistant and split-type models available for special applications.

Economy	Plastic	Lined
		

Applications	<ul style="list-style-type: none"> • Ideal for large tanks and basins, this high-visibility level gauge offers easy installation, low maintenance, and accurate measurement. It suits continuous monitoring in power plants, wastewater treatment, dyeing, hospitals, refining, and storage industries. 		
Measurement Medium	Slightly corrosive liquids with density 0.45–2g/cm ³	Acidic liquids incompatible with PP with density 0.45–2g/cm ³	Strongly corrosive liquids with density 0.8–2g/cm ³
Material	304, 316/316L, all-aluminum flap, acrylic plate	PP, all-aluminum flap, PA66 nylon flap, glass (standard), acrylic plate	316/316L with external F46 lining
Process Temp	-40 ~ 350°C	-20 ~ 80°C	≤120°C
Process Pressure	Vacuum ~ 100 bar	-1 ~ 6 bar	0 ~ 16 bar
Process Connection	Flange, thread, dimensions customizable		
Range	Single part: 200–5600 mm; multi-segment structures up to 20 meters or more		
Signal Output	Magnetic switch: 220V AC 3A, SPDT		
Qualifications & Certifications	<ul style="list-style-type: none"> •SIL Qualifications: SIL2 (HFT≥0)/SIL3 (HFT≥1) •Explosion Protection: Explosion-Proof: Ex d IIC T6 Gb (Magnetic switch and remote transmitter) Intrinsically Safe: Ex ia IIC T6 Ga (Magnetic switch and remote transmitter) •Ingress Protection: IP66/IP67 		