

IMPLEXX

Ultrasonic Level Transmitter

Measurement Range: Liquid: 0.4...5m/0.4...10m/0.5...15m



Product Overview

Technology:
Ultrasonic sensor

Liquids and bulk solids in small vessels level

Features:

- Non-contact level metering
- Narrow 5° beam angle
- Fully temperature compensated electronics
- Quick-set menu for efficient installation
- SDI-12 or 4 to 20 mA output
- Measurement Range: Liquid: 0.4...5m/0.4...10m/0.5...15m
- Process Connection: Thread, flange
- Housing Material of Transducer: PA66+GF30,PTFE

Principle of Operation

The sensor transmits ultrasonic pulses to the measurement target. The pulses are reflected from the surface of the target and received back by the sensor. The running time is converted into the distance and it shows as level or volume on the display.

$$D = (C \cdot T) / 2$$

D: distance

C: sound velocity

T: time of flight

Distance: from the sensor bottom to surface of the target

Level: from the bottom of storage to surface of the target

Empty: from the sensor bottom to the bottom of storage

Performance Specifications

Model	ULT260-5	ULT260-10	ULT260-15
Measurement Type	Ultrasonic non-contacting	Ultrasonic non-contacting	Ultrasonic non-contacting
Liquid Measuring Range	0.4...5m	0.4...10m	0.5...15m
Dead Band	0.4m	0.4m	0.5m
Accuracy	0.25%F.S.,0.5%F.S	0.25%F.S.,0.5%F.S	0.25%F.S.,0.5%F.S
Output option	SDI-12 4-20mA		
Power Supply	12- 24VDC, AC220V		
Process Temp.	-40~+70°C		
Process Pressure	-0.2~1bar		
Protection Class	IP65,option IP67		
Process Mount	Thread M66x2,flange	Thread M66x2, flange	Thread M95x2, flange
Display	Yes		
Material of sensor	PA66+GF30,PTFE		



Implexx Sense
Digital Environmental Sensing

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