

ULI300

5M RANGE ULTRASONIC TRANSMITTER



OVERVIEW

ULI 300 series transmitters are 3 wire type instruments. An ultrasonic wave is pulsed 5 times a second. The reflection of this pulse is received by the sensor. The time taken for the wave to travel to the object and back to the sensor is proportional to the distance of the object from the sensor. The compact size, narrow beam angle and small dead band ensures that these sensors will work reliably for small tanks.

These non-contact instruments find a variety of applications. Typical applications are measuring level of liquids in small storage tanks and diesel tanks. Other applications include Conveyor line counting, Web loop tension measurement, Open Channel flow measurement, collision detection, and more...

FEATURES

- Non-contact Level Measurement
- 5m sensing range
- Teflon sealed sensor
- 4-20mA output (3 Wire Type)
- Accurate measurement up to 5m
- 11° Beam Angle
- Compact size
- Easy to mount
- Automatic Temperature Compensation
- Field programmable output
- RS485/MODBUS



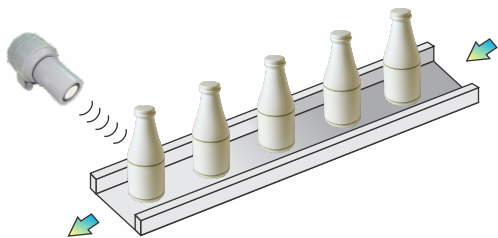
An ISO 9001:2008 Company

SPECIFICATIONS

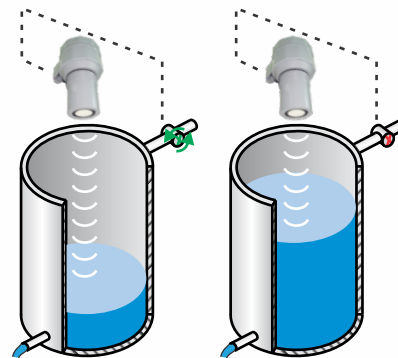
Range	0.40m to 5.0m
Accuracy	0.25% of full scale
Resolution	1mm
Frequency	56kHz
Beam Angle	11°
Enclosure	Plastic
Pulse Rate	5 Pulses per second
Display	2 LEDs for echo and programming
Signal Output	4-20mA DC / 0-20mA (Factory configurable only)
Relay Output	Optional
Operating Temperature	0° to 70 °C Max.
Storage Temperature	-40° – 85°C
Temperature Compensation	Automatic Built-in
Pressure Output	Atomospheric Pressure only
Power Consumption	
Voltage	12 to 15 C DC
Power Consumption	1 Watt Max.

APPLICATIONS

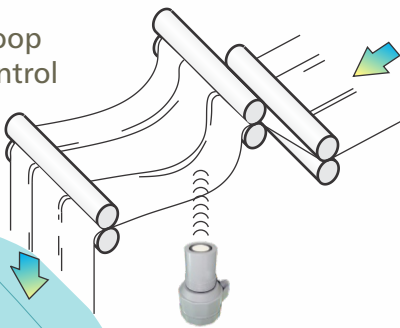
Conveyor Line Counter



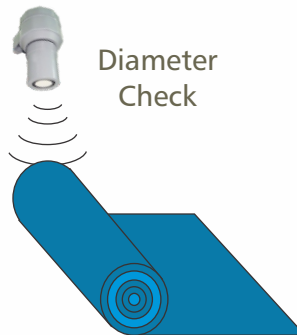
Level Control



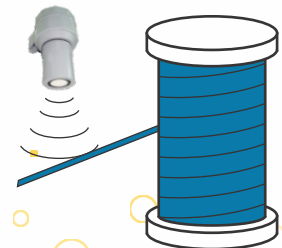
Loop Control



Diameter Check



Wire Break Detection



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 UL1300 datasheet