

# ULI500

## 2M RANGE ULTRASONIC TRANSMITTER



### OVERVIEW

ULI 500 series instruments are blind transmitters. 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 sensors are aggressively priced and are comparable to mechanical level switches for the same tank size.

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, collision detection, and more...

### FEATURES

- Non-contact Level Measurement
- 2.2m Measurement range
- 4-20mA output (3 Wire Type)
- 10° Beam Angle
- Compact size
- Easy to mount
- Can be mounted in diesel tanks
- Field programmable output



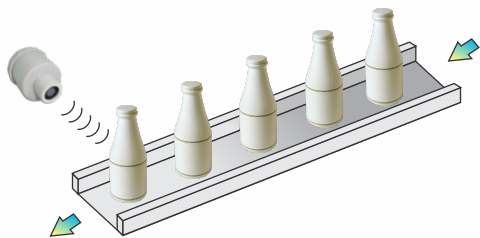
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## SPECIFICATIONS

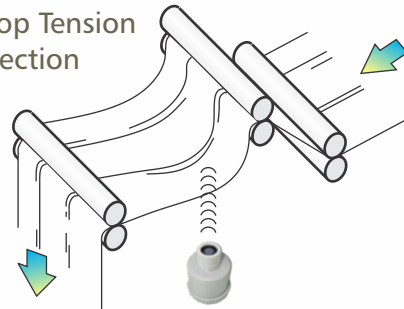
Range	0.12m to 2.0m
Accuracy	0.25% of full scale
Resolution	1mm
Frequency	50kHz
Beam Angle	11°
Enclosure	Plastic
Pulse Rate	5 Pulses per second
Display	2 LEDs for echo and programming
Signal Output	4-20mA DC / 0-20mA (Factory configurable only)
Relay Output	None
Operating Temperature	0° to 70 °C Max.
Storage Temperature	-40° – 85°C
Temperature Compensation	Not provided
Pressure Output	Atomospheric Pressure only
<b>Power Consumption</b>	
Voltage	12 to 15 C DC
Power Consumption	1 Watt Max.

## APPLICATIONS

Conveyor Line Counter



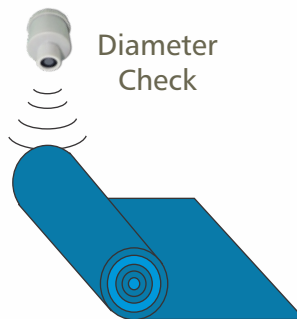
Web Loop Tension Detection



Quality Control



Diameter Check



Wire Break Detection

