

## 2.2m Ultrasonic Level Transmitter

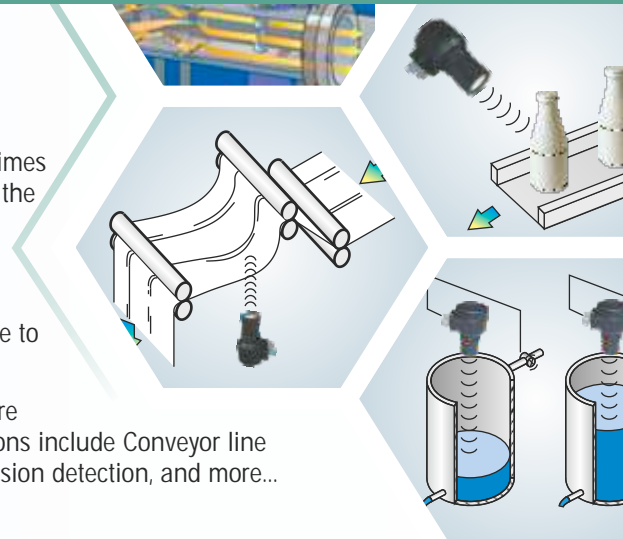


### OVERVIEW

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, Open Channel flow measurement, collision detection, and more...



### ADVANTAGES

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





## ULI 500 SPECIFICATIONS

Range	0.12 m to 2.0 m
Accuracy	0.25% of Full Scale
Resolution	1 mm>
Frequency	50 Khz
Beam Angle	11 deg
Enclosure	Plastic
Pulse Rate	5 Pulses per second
Display	2 LEDs for echo and programming
Signal Output	4 – 20 mA DC (0 – 20mA) Factory settable only
Relay Out Put	None
Operating Temperature	0 to 70 Deg C Maximum
Storage Temperature	-40 to 85 Deg C
Temperature Compensation	Not Provided
Pressure Rating	Atmospheric Pressure Only
Relay Output	None
<b>Power Consumption</b>	
Voltage	12 to 15 V DC
Power Consumption>	1 Watt maximum