

ULI200

10M RANGE ULTRASONIC TRANSMITTER



OVERVIEW

ULI 200 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
- 10m sensing range
- Teflon sealed sensor
- 4-20mA output (3 Wire Type)
- Accurate measurement up to 5m
- 12° Beam Angle
- Compact size
- Easy to mount
- Automatic Temperature Compensation
- Field programmable output
- RS485/MODBUS



SPECIFICATIONS

Range	0.40m to 10.0m
Accuracy	0.25% of full scale
Resolution	1mm
Frequency	56kHz
Beam Angle	12°
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	Atmospheric Pressure only
Power Consumption	
Voltage	12 to 15 C DC
Power Consumption	1 Watt Max.

APPLICATIONS

