



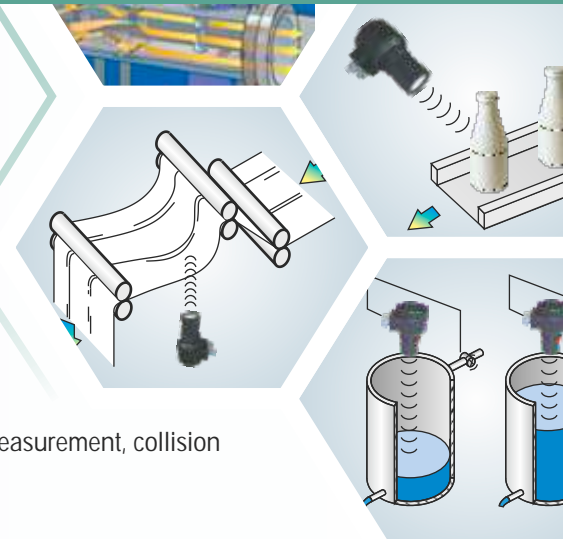
## 10m Range Ultrasonic Level Transmitter



### OVERVIEW

ULT 100 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...



### ADVANTAGES

- Non-contact Level Measurement
- 10m sensing range
- Teflon sealed sensor
- 4-20mA output (3 Wire Type)
- Accurate measurement upto 10m
- 12 Deg Beam Angle
- Compact size
- Easy to mount
- Automatic Temperature Compensation
- Field programmable output
- RS485/MODBUS





## ULT 100 SPECIFICATIONS

Range	0.40 m to 10.0 m
Accuracy	Better Than 0.15% of Full Scale
Resolution	1 mm
Frequency	56 Khz
Beam Angle	12 deg
Enclosure	ABS Plastic IP68
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	Automatic builtin
Pressure Output	Atmospheric Pressure Only
Relay Output	Optional
Power Consumption	
Voltage	18 to 24 V DC
Power Consumptionl	1Watt maximum