Ultrasonic Level Transmitter

We are introducing our Ultrasonic level transmitter ,which is used to measure level of all kinds of liquids. The sensor generates ultrasonic sound waves which strikes the medium and returns. The electronics measures the time taken and then computes the distance of measured surface to the sensor. The transmitter generates a 4 to 20 mA current signal proportional to the liquid level, or to the distance of liquid from sensor. This can be connected to a controller or any such device to monitor the liquid level.

Silent Features :

- Easy to install and compact design.
- Integral 4 digit display.
- Easy calibration & programming through built-in keys
- Measuring range Up to 10 meters.
- Reliable & accurate performance.

Construction & Working :

It consists of an ultrasonic transducer integral with microcontroller-based electronics housed in an enclosure. Ultrasonic pulses emitted from the transducer to the service medium are reflected back and sensed by the electronics to provide 4-20mA current output.

Technical Specifications :

Level Transmitter Type	Ultrasonic Level Transmitter
Accuracy	±1mm
Beam Angle	12°
Measuring Range	0.25 m to 20 Mtr
Communication	MODBUS HART
Signal output	4 to 20 mA or RS-485
Operation Display	LCD /4 Buttons
Enclosure	Al. Alloy Weatherproof /Flameproof
Process Temperature	-20°C to 60 °C
Process Pressure	Up to 3 Bar
Cable Entry	M20*1.5 or ½" NPT
Recommended Cable	AWG 18 or 0.75 mm^2
Protection Class	IP66
Process Conn. Type	Threaded / Flange

Applications :

Storage Tanks, Filter Beds, Scrubber, Flotation Cells, Water/ Waste Water Treatment, Nuclear / Thermal Power Plants, Effluent Treatment Plants, Canals and Irrigation

Model Identification

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1. Measuring Range	
0.1 to 5 MTR	**5**
0.25 to 10 MTR	**10**

2. Enclosures	
Cast Aluminium Weatherproof	**W**
Cast Aluminium Flameproof	**F**

3. Process Connection Size	
2”	**B**
2-1/2”	**C**
3”	**D**
Other	**O**

4. Process Connection Type X MOC	
ASME 150# Flange X PP	**1**
BSP (M) Screwed X PP	**2**
Other	**O**

5. Output	
Two Wires	**T**
Modbus	**M**
HART	**H**

6. Cable Entry	
M20*1.5	**M**
½” NPT	**N**

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