

ULT 200B

BATTERY OPERATED ULTRASONIC LEVEL TRANSMITTER



Features

- Non-contact type
- Compact size & Easy Maintenance
- Battery Operated
- Process down time minimized
- Automatic Temperature Compensation
- Display: LCD
- Password Protection
- Software calibration
- Easy to Install & Configure
- Narrow Beam Technology
- Measures liquid height, distance to liquid, volume or flow in open channels



Description

Electronet series ULT 200B is a Battery Operated Ultrasonic Level Transmitters specially designed for non-contact type level measurement. Ultrasonic level measurement is based on the transit time technology which calculates the time required by ultrasonic pulses to travel from sensor & surface of liquid & back to sensor. Ultrasonic level transmitters are the best for applications such as slurries, corrosive liquids & waste water without obstacle throughout the beam. The transmitter provides local indication through LCD. The measuring range is available up to 12 mtrs.

Technical Specifications

Measurement Principle	Ultrasonic : Time Of Flight
Measuring Range	up to 12 mtrs.
Communication Output	GSM, GPRS
Power Supply	Battery Operated
Battery Life	2 to 10 Years depending on sampling time
Power Consumption	< 500 mW
Dead Band	Less than 300 mm
Display	LCD
Accuracy	+/- 0.25% of F. S.
Linearity	+/- 0.1%
Repeatability	+/- 0.1%
Stability	+/- 0.05%
Process Temperature	0 to 85°C max.
Operating Pressure	Atmospheric
Beam Angle	< 7°
Measuring Frequency	25 KHz
Temperature Coefficient	+/- 0.01% per °C

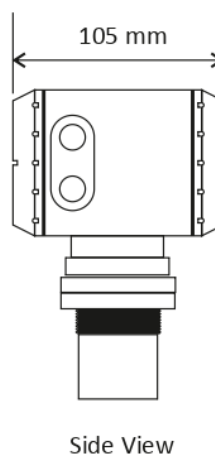
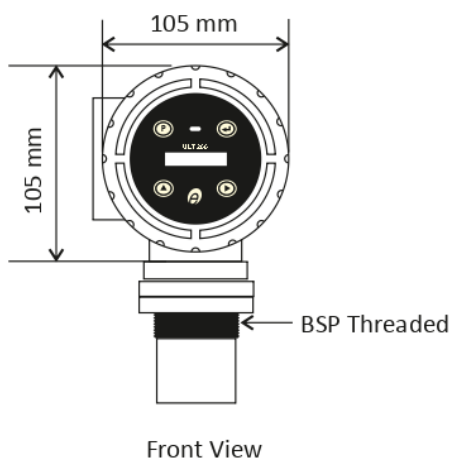
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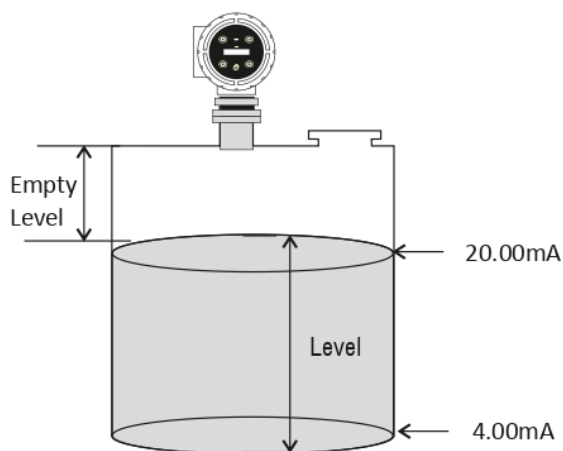
Technical Specifications

Electronic Protection Class	Flameproof (CMRI IIA IIB Certified) / Weather Proof IP-67
MOC Electronics Enclosure	1) Die Cast Aluminium PU Painted 2) SS316 3) ABS Plastic
Process Connection	1) 2" BSP (upto 8 meters) 2) 2.5" BSP (8 to 10 meters) 3) 3" BSP (10 to 15 meters) 4) 4" BSP (15 to 20 meters)
Mounting	Vertical - Top of the tank
Ambient Conditions	Temperature 0 to 85°C / Humidity 5 to 95% non condensing at 25°C
MOC Probe	PVDF
Local Indication Display Type	LCD Display
Certification	CE

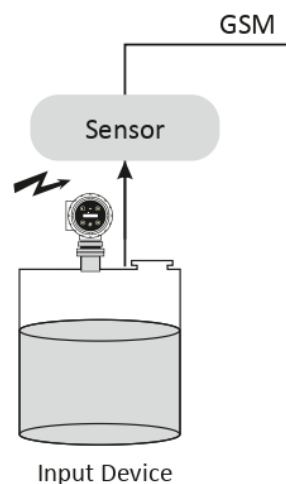
Assembly Overview



Installation Details



Loop Diagram



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Ordering Information

Sample Order Code : UT200-A1-B1-C1-D1-E1-F1-G1

Parameter		Code	Description
A	Measuring Range	A1	300 mm
		A2	600 mm
		A3	1000 mm
		A4	2000 mm
		A5	3000 mm
		A6	6000 mm
		A7	8000 mm
		A8	10000 mm
		A9	12000 mm
B	Electronics Area Classification	B1	Field Mount Weather Proof IP67
		B2	Flameproof (CMRI IIA IIB Certified)
C	Electrical Connection	C1	M 20 x 1.5 (F)
		C2	½” NPT (F)
		C3	DIN 43650 / Circular Metal Connector

Parameter		Code	Description
D	MOC Electronics Enclosure	D1	Die Cast Aluminium
		D2	SS316
		D3	ABS Plastic
E	Ultrasoinc Sensor Moc	E1	PVC
		E2	PVDF
		EY	Other
F	Communication Output (Any one)	F1	GSM
		F2	GPRS
		FX	NA
G	Process Connection	G1	1½"BSP (M)
		G2	2 " BSP Threaded
		G3	2 " SS-316 Flanged

Note :

- Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.
- This product is meant for laboratory/Process application only and not for custody transfer application.

ELECTRONET EQUIPMENTS PVT. LTD.

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