ULT - 200

ELECTRONET™

TWO WIRE ULTRASONIC LEVEL TRANSMITTER

Features

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

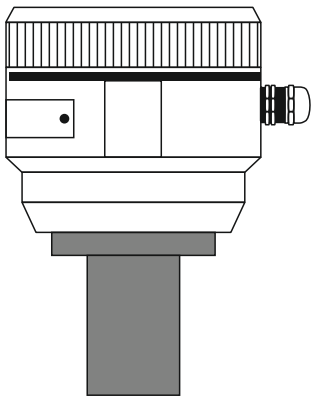
Description

Electronet series ULT–200 is a 2 wire 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 4–20 mA DC continuous output with local indication through LCD. The measuring range is available up to 12 mtrs.

Technical Specifications

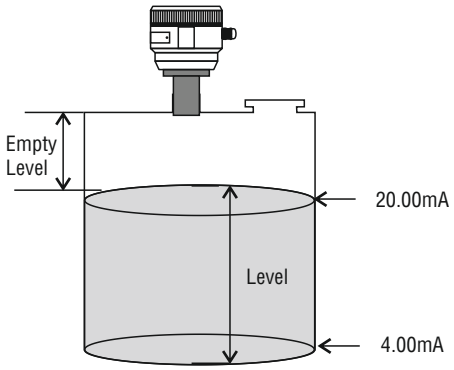
Measurement Principle	Ultrasonic : Time Of Flight
Measuring Range	up to 12 mtrs.
Electronic Location	Integral (Local)
Type of Output	4 – 20 mA DC, 4 – 20 mA with HART (Compatible)
Power Supply	24V DC Two Wire Loop Powered
Power Consumption	< 500 mW
Dead Band	Less than 300 mm
Display	LCD
Accuracy	+/– 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	< 10°
Measuring Frequency	25 KHz
Temperature Coefficient	+/– 0.01% per °C
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
OPTIONAL : Communication	Application flexibility with HART communication
Certification	CE

Assembly Overview

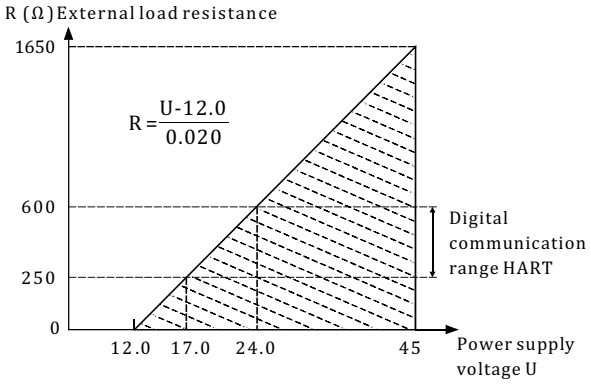


Front View

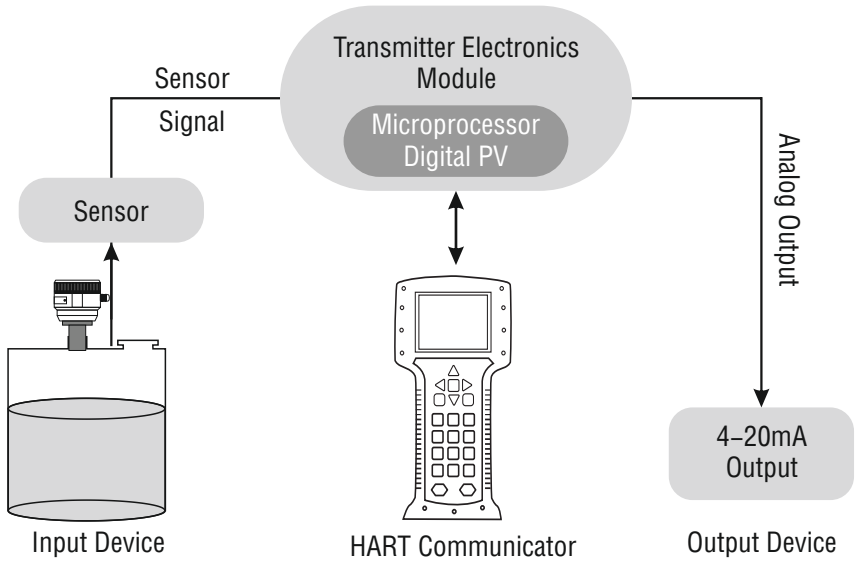
Installation Details



Power Supply & Load Requirements



Loop Diagram



Ordering Information

Sample Order Code :

A1	C1	E1	F2	H1	M4

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
C	Electronics Area Classification	C1	Field Mount Weather Proof IP67
		C2	Flameproof (CMRI IIA IIB Certified)

Parameter		Code	Description
E	MOC Electronics Enclosure	E1	Die Cast Aluminium
		E2	SS316
		E3	ABS Plastic
F	Electrical Connection	F1	M 20 x 1.5 (F)
		F2	½" NPT (F)
		F3	DIN 43650 / Circular Metal Connector
H	Output (Any one)	H1	4 to 20 mA
		H2	4 to 20 mA with HART
		HX	NA
M	Process Connection	M2	1 1/2" BSP (M) Threaded
		M3	2 Inch BSP (M) Threaded
		M4	2 Inch PVC Flanged
		M5	2 Inch Flanged SS316
		M6	2 Inch Tri Clover SS316
		MY	Other

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.

ELECTRONET EQUIPMENTS PVT. LTD.

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