

ULT 200

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
- 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 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 (Generic)
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	< 7°
Measuring Frequency	25 KHz
Temperature Coefficient	+/- 0.01% per °C

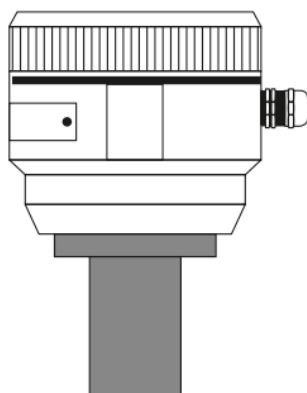
ULT 200

TWO WIRE ULTRASONIC LEVEL TRANSMITTER

Technical Specifications

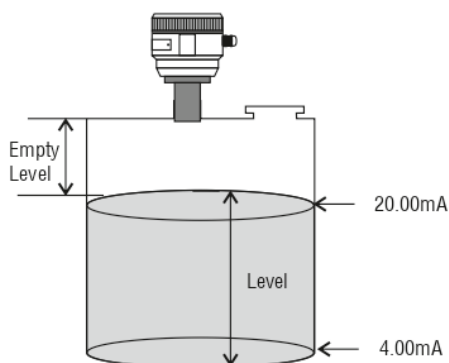
Electronic Protection Class	Flameproof (CMRI IIA IIB Certified) / Weather Proof IP-67
MOC Electronics Enclosure	1) Die Cast Aluminium PU Painted 2) SS316
Process Connection	1) 2" BSP (upto 8 meters) 2) 2.5" BSP (8 to 10 meters) 3) 3" BSP (10 to 15 meters) 4) 4" BSP (15 to 20 meters)
Mounting	Vertical - 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

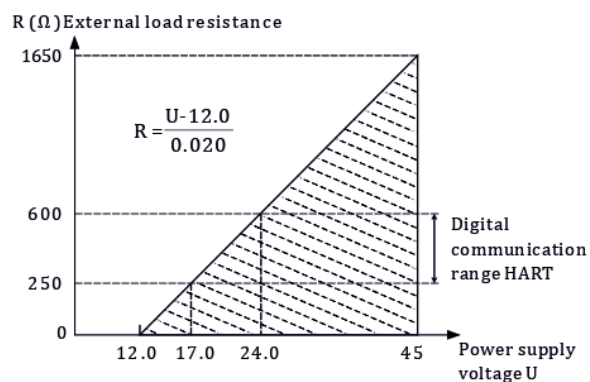


Front View

Installation Details



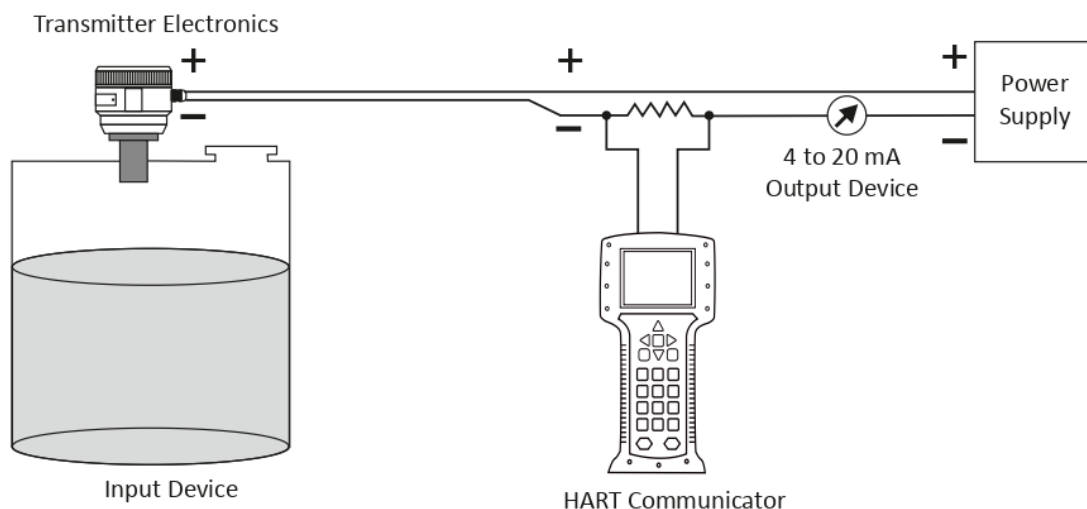
Power Supply & Load Requirements



ULT 200

TWO WIRE ULTRASONIC LEVEL TRANSMITTER

Loop Diagram



Ordering Information

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

Parameter			Code	Description				
A	Measuring Range	A1	300 mm	D	MOC Electronics Enclosure	D1	Die Cast Aluminium	
		A2	600 mm			D2	SS316	
		A3	1000 mm			E	Ultrasonic Sensor Moc	E1
		A4	2000 mm	E2	PVDF			
		A5	3000 mm	EY	Other			
		A6	6000 mm	F	Electrical Output		F1	4 to 20 mA
		A7	8000 mm				F2	4 to 20 mA with HART
		A8	10000 mm		G		Process Connection	G1
		A9	12000 mm	G2		2 " BSP Threaded		
B	Electronics Area Classification	B1	Field Mount Weather Proof IP67	G3		2 " SS-316 Flanged		
		B2	Flameproof (CMRI IIA IIB Certified)	GY		Other		
C	Electrical Connection	C1	M 20 x 1.5 (F)	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.				
		C2	½" NPT (F)					
		C3	DIN 43650 / Circular Metal Connector					

ELECTRONET EQUIPMENTS PVT. LTD.

Registered Office:

Plot No. 84, 85, 86, Tiny Industrial Estate,
Kondhwa Budruk,
Pune-411 048, Maharashtra, India.

Factory Address:

Plot No. 8, (SEZ) Phase 1, Kesurdi MIDC,
Khandala, Dist.- Satara
Pin: 412 801, Maharashtra, India.



+91-20-26931476
+ 91 99229 31722
+ 91 99224 42183



ho@electronet.co.in
enquiries@electronet.co.in



www.eeplindia.com