



Measuring & Beyond



MIAL INSTRUMENTS PVT. LTD.

 www.mialinstruments.com

MUL SERIES
ULTRASONIC LEVEL SENSORS





MULR Level Ultrasonic Level Sensor

The MULR series is a compact ultrasonic level sensor for continuous non-contact level measurement in different type of liquids including oil, diesel etc. It consists of probe and electronic units, both are coming with leak-proof structure. This level sensors are widely used in the HVAC, metallurgical, chemical and oil industries. The ultrasonic level sensor is designed to provide accurate and reliable level sensing with the features of non-contact, high reliability, cost-effective, easy to installed and maintained.

Features

- Integrated design - installed conveniently (remote option with max 10-meter cable).
- LCD display to debug and observe.
- Over-voltage over-current protection, lightning protection.
- Advanced clamp type wiring terminal, to ensure that wiring never loose.
- Selectable probes (ABS/PTFE). Acid, Alkali resistant and adapt to bad environments.
- Non-contact measurement, no need for maintenance.
- Stable measurement, not influenced by the measuring medium properties.
- Distance and level measurement capability.





Measuring Principle: Ultrasonic Transit time

The sensor of the meter transmits ultrasonic signals in the direction of the liquid surface. There, they are reflected and received back by the sensor.

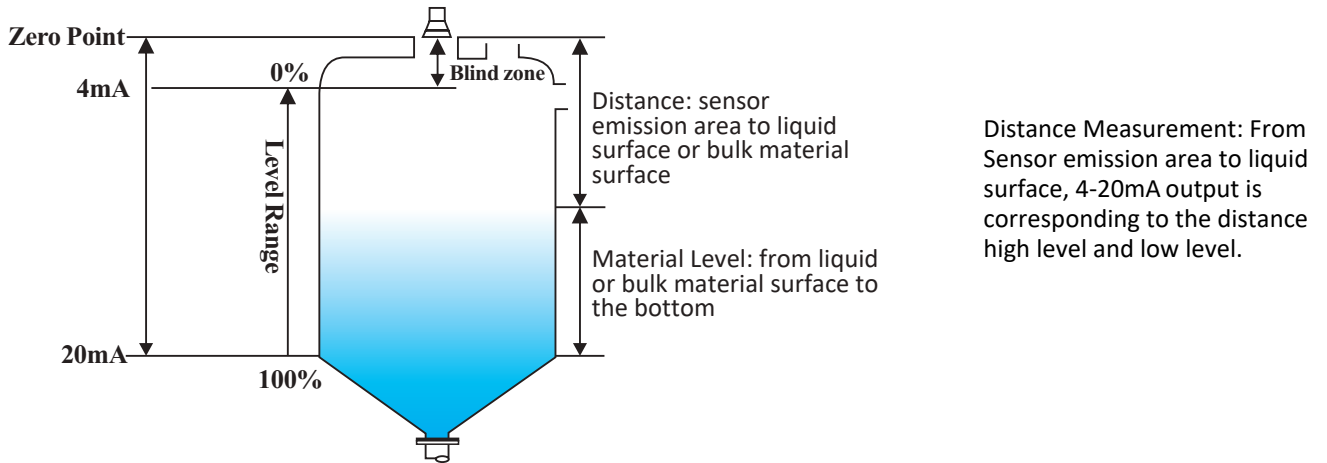


Diagram of Distance Measurement

Level Measurement: From water surface to bottom, 4-20Ma output is corresponding to the water high level and low level.

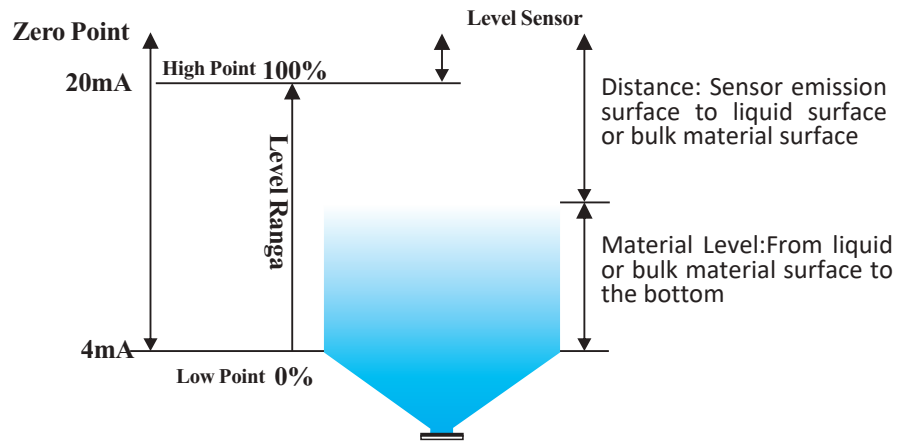
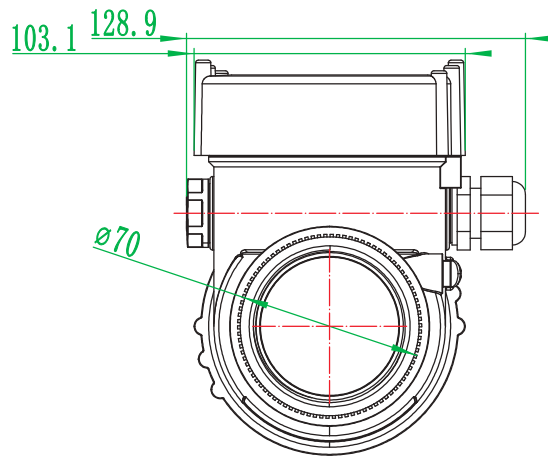
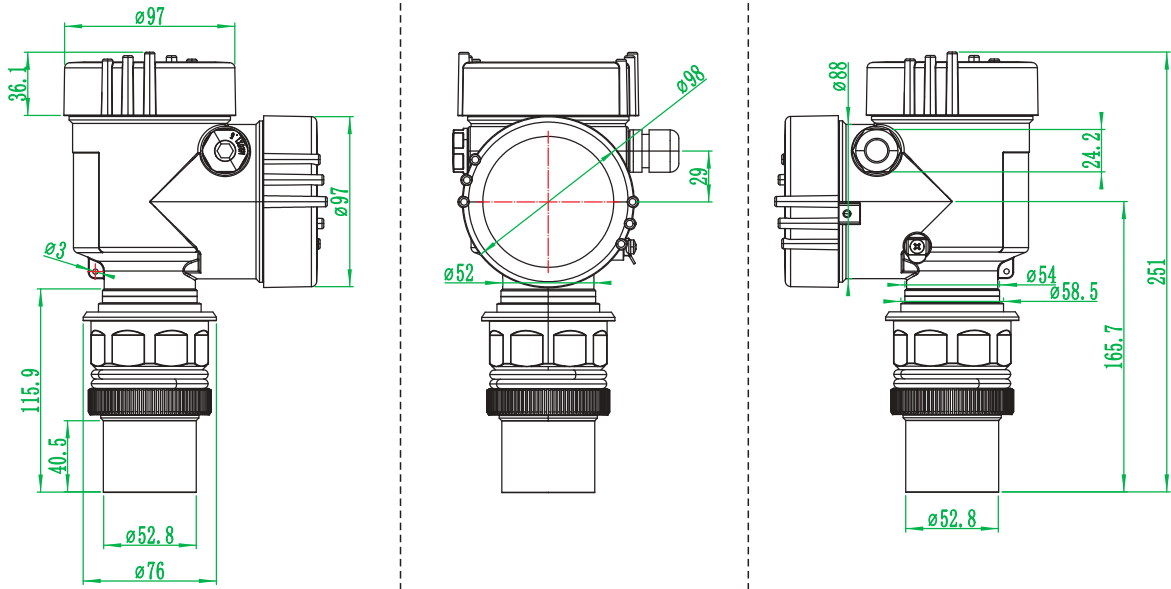


Diagram of Level Measurement



Dimensions





Technical Specifications

Level Range	4, 6, 8, 10, 12, 15, 20, 30M
Accuracy	0.5%-1.0%
Resolution	3mm or 0.1%
Display	LCD Display
Output	4 -20mA (2 wire)/250Ω Load
Connection	Thread
Power Supply	24 VDC (standard)
Ambient Temperature	Transmitter: -20 - 60 °C, Sensor: -20-80 °C
Protection Grade	Transmitter IP65, Sensor IP68
Probe	ABS, PVC, PTFE
Transmitter	Alluminium Alloy
Structure-Display	Compact (standard), remote
Standard Cable	10m (Remote)
Explosion Proof	For Diesel/Oil applications



Remote Display



Compact Integral Display



LCD Display

USA OFFICE ADDRESS

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