

## INTRODUCTION

The Ultrasonic Level Transmitter operates based on the Time of Flight principle, offering high accuracy and reliability with a measurement range typically up to 15 meters. It supports 2-wire and 4-wire configurations providing flexibility for various applications. The device emits ultrasonic pulses towards the material surface, and the pulse reflects back to the sensor. By measuring the time it takes for the pulse to travel to the surface and return. Applying the speed of sound in air, the transmitter calculates the distance to the material surface. This distance is used to determine the material level. Communication options include 4-20mA, 4-20mA + HART and RS485 ensuring seamless integration into existing control systems without major modifications. The device is ideal for accurate, non-contact level measurements in industrial settings.



## FEATURES

- Weatherproof - Rugged Construction.
- Easy to install.
- Unaffected by product properties.
- No site calibration required.
- Cost Saving.
- HART version 7 compatible

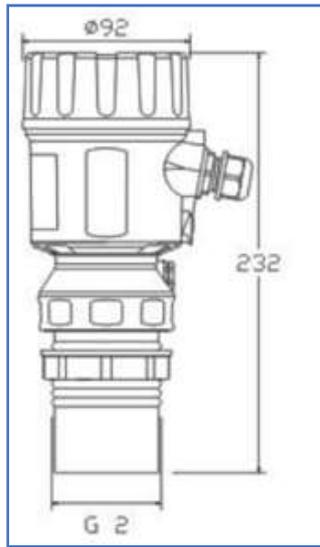
## AREAS OF APPLICATIONS

- Water & Waste Water Treatment
- Food and Beverage
- Pulp and Paper Industry
- Power Plants
- Marine and Shipping
- Storage Tank

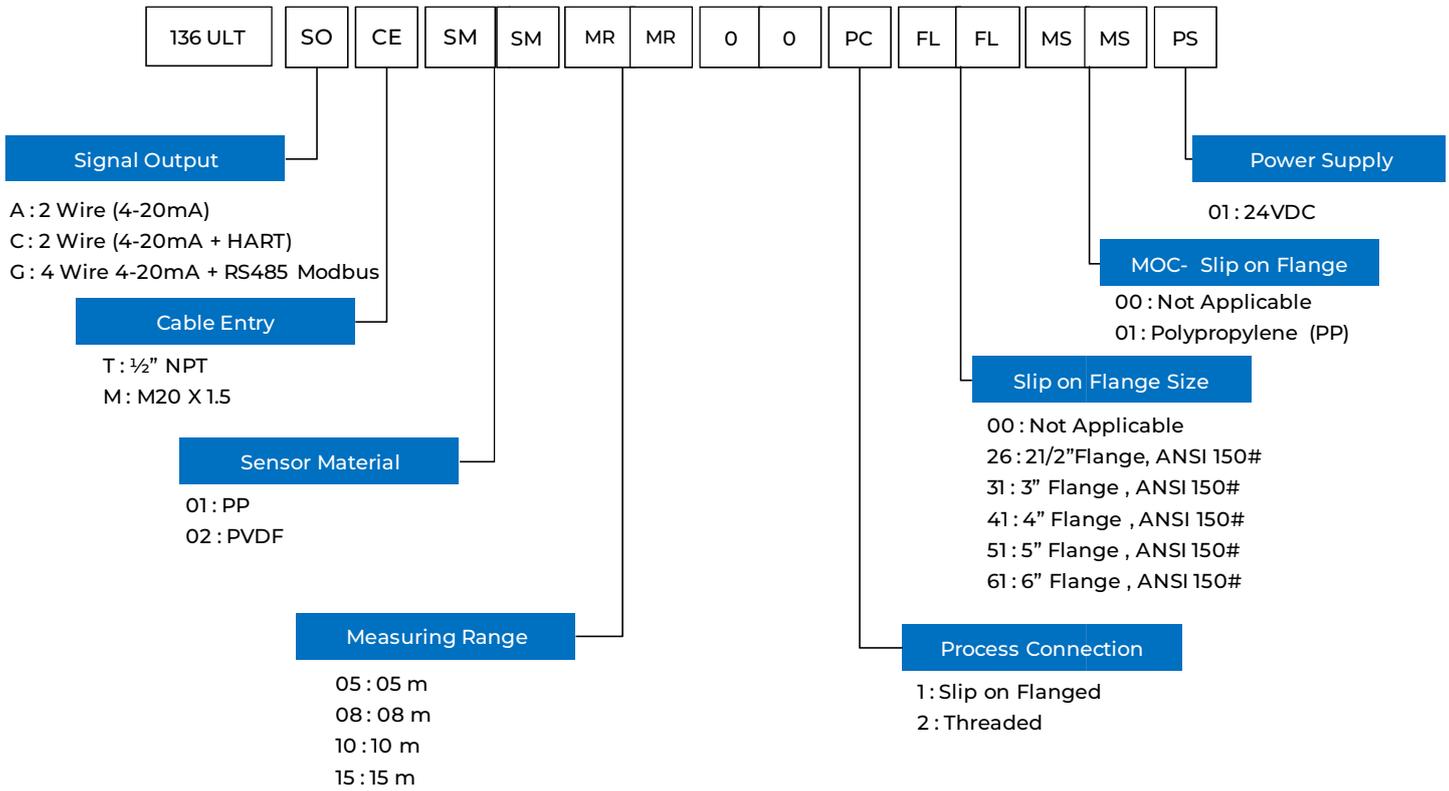
## SPECIFICATIONS

Parameter Name	Parameter Description			
Measuring Range (m)	5m	8m	10 m	15 m
Dead Band(mm)	300 mm	500 mm	500 mm	600 mm
Beam Angle	9°			
Accuracy	±0.5% of FS & ±0.25% of FS (On Request)*			
Power Supply	24VDC @30mA			
Power Consumption	<1.5W			
Analog Output	4~20mA			
Communication Interface	HART 7 or RS485			
Keyboard/ Display	LCD Display			
Display parameters	Distance, Level			
No. of cable entries	2 Nos. (½" NPT) or (M20*1.5)			
Process Connection	Threaded & Flanged			
Sensor Material	PP / PVDF			
Housing Material	Aluminium			
Ingress Protection	IP 67			
Ambient Temperature	10°C to 60°C			
Pressure	Normal Condition			
Humidity	0 to 95%			
Installation Mounting	Top			

# MECHANICAL DIMENSIONS



## ORDERING CODE



**NOTES:**

\*Under Factory set conditions.

#Continuous development may necessitate changes without notice.

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