

**50+ Products**

VISION WORLD TECH PVT LTD



# **ULTRASONIC OPEN CHANNEL FLOW METER**

**VIFLOW-OUFM-013**

SAVING EVERY DROP

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# Welcome to our Company

Welcome to Vision World Tech Pvt Ltd, a pioneer in designing and manufacturing advanced IoT-based environmental monitoring solutions. Our Water Analyzer and related products offer precise, real-time data to help industries and governments manage water quality efficiently. With innovative technology and a commitment to sustainability, we empower you to make informed decisions for a cleaner, safer future.



## About Us

Vision World Tech Pvt Ltd is a leading innovator in the field of IoT-based environmental monitoring solutions. Established with a vision to enhance water and air quality management, we specialize in designing and manufacturing advanced instruments such as Water Analyzers, Electromagnetic Flow Meters, and Telemetry Systems.

Our commitment to quality, precision, and sustainability drives us to deliver reliable and cutting-edge technology that empowers industries and governments to make informed, eco-friendly decisions.

## SAVING EVERY DROP





# Ultrasonic Open Channel Flow Meter

An Ultrasonic Open Channel Flow Meter is a device used to measure the flow rate of water or wastewater in open channels.

Such as canals, rivers, drainage channels, STP/ETP outlets, and industrial discharge lines.

It measures water flow without inserting any sensor inside the water.

It only looks at water from above using sound waves and calculates flow based on water level and channel shape.

- **Sewage open channels**
- **Weirs (V-notch, rectangular) and flumes (Parshall)**
- **Industrial wastewater**
- **City drainage monitorin**





# TECHNICAL SPECIFICATION

Model	VIFLOW-OUFM-013
Measurement Principle	Non-contact ultrasonic level measurement with flow calculation via weir/flume formula.
Suitable Applications	Open channels, rivers, canals, wastewater, weirs (V-notch, rectangular) and flumes (Parshall).
Level Measurement Range	0.3 m to 12 m (model dependent).
Flow Measurement Range	Based on channel geometry; typically 0 to 5000 m³/hr (customizable).
Accuracy	Level: ±0.25% to ±0.5% of full scale
Outputs	4–20 mA isolated analog output.
Display	LCD/LED display showing level, flow rate, and total flow.
Power Supply	24 VDC or 230 VAC.
Housing & Protection	Sensor: IP67/IP68 suitable for outdoor use
Temperature	Operating: -20°C to +60°C.
Installation Requirements	<ul style="list-style-type: none"><li>• Proper mounting with clear line-of-sight to water surface.</li><li>• Avoid heavy turbulence and foam.</li><li>• Use stilling well if required.</li></ul>
Certifications	Calibration certificate included.

