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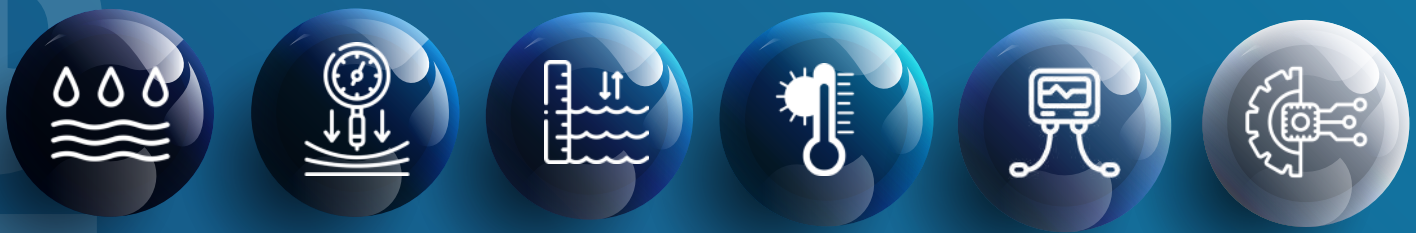
We Measure

OPEN CHANNEL FLOWMETERS



Flow | Pressure | Level | Temperature | Datalogger | Control and Automation

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OPEN CHANNEL FLOWMETERS

Open channel flow meters measure the level, flow rate and total volume of water flowing through weirs, flumes, channels and partially filled pipes. The flow meter uses a non-contact level sensor as radar or ultrasonic to detect the water level and then uses Manning's equation and channel characteristics to calculate flow rate and volume. It offers low cost and almost no maintenance flow measurement which unaffected by siltation and suspended matter for large pipelines, irrigation channels and large streams.
Eagle eye contactless flowmeter take flow; it is a non-contact flow measuring instrument that accurately measures the flow without changing the boundary conditions of channels, rivers, pipes, etc.

Open Channel Flowmeter Radar/Ultrasonic Level Sensor

ENL-ULBS | ETRANS-RDR-1 | OPN-2

Doppler Open Channel Flowmeter

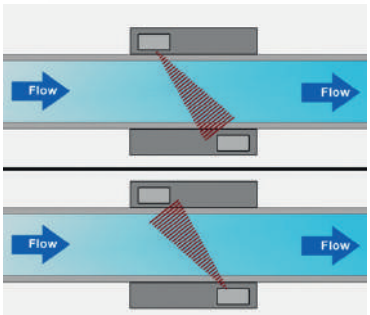
ENL-DOF6000-W

Eagle Eye Contactless Flowmeter

ENL-GRDR-300

Open Channel Flowmeter Radar/Ultrasonic Level Sensor Technical Specifications

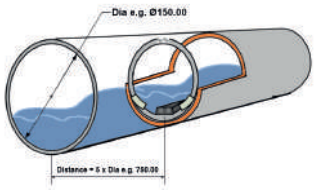
Working Principle	Radar or ultrasonic with special designed flume
Flume Types	Parshall, Rectangular, Triangular, Trapezoidal
Flume Width	7,6...400 cm
Measuring Range	Max. 1453 m³/h
Power Supply	220 VAC, 50 Hz, 24 VDC, Solar Panel
Output	4...20 mA, RS485 MODBUS, Ethernet
Protection Class	IP67
Process Temperature	-20...+50°C
Local Display	4,3" TFT Touch Panel with USB Recording



Transit Time Ultrasonic Flowmeter

Doppler Open Channel Technical Specifications

Working Principle	Level and velocity measuring and auto flow calculating
Measuring Areas	Non filled pipes, channels, rivers
Measuring Range	Level 0...10 m, Velocity 0...12 m/s, Conductivity 0...200,000 µS/cm
Accuracy	± 1% (of M.V.)
Power Supply	85-265 VAC 50Hz or 24 VDC, Battery Operated
Output	RS485 MODBUS
Protection Class	IP67, IP68
Process Temperature	0...+60°C



Eagle Eye Contactless Flowmeter Technical Specifications

Working Principle	Radar Level and Velocity measurement
Process Temperature	-30...+80°C
Power Supply	7....30 VDC
Communication	RS232, RS485, 4...20 mA
Max Level	35 m
Velocity Range	0,03...20 m/s
Velocity Accuracy	0,01 m/s
Level Accuracy	± 1 cm
Velocity Measurement Angle	11°