MICROMASS 5000 & 6000

CORIOLIS MASS FLOW METER
THERMAL MASS FLOW METER





MICROMASS 6000 – Coriolis Mass Flow Meter: High-performance meter for accurate mass, density, and temperature measurement of liquids, gases, and slurries.

- Accuracy up to ±0.1%, repeatability ±0.05%
- No moving parts – maintenance-free and long-lasting
- Available in M-, U-, S-, and straight-tube designs



MICROMASS 5000 – Thermal Mass Flow Meter: Direct gas mass flow measurement using heat transfer principle with no need for pressure or temperature compensation.

- Suitable for air, nitrogen, biogas, hydrogen, and other clean gases
- Wide turndown ratio (up to 100:1) with HART / Modbus / RS485 output
- Insertion or inline models for versatile installation



OVALPRO 3000

OVAL GEAR FLOW METER







The Oval Gear Flow Meter (OGFM) is a positive displacement type flow meter designed for accurate measurement of viscous and low-viscosity fluids. It operates by mechanically trapping a fixed volume of liquid between two precision-machined oval gears and housing, providing direct volumetric flow measurement independent of temperature, pressure, or viscosity changes. This meter is ideal for oil, fuel, chemical, and lubrication applications where high accuracy and repeatability are essential.

- Positive displacement design provides direct volumetric flow measurement.
- High accuracy up to ±0.2% of reading and repeatability of ±0.05%.
- Independent of viscosity, pressure, and temperature variations.
- Suitable for oil, fuel, chemicals, and lubricants of various viscosities.
- No need for straight pipe lengths before or after the meter.
- Pulse, 4–20 mA, HART, Modbus, or totalizer display outputs available.
- Compact and rugged construction with SS316 / Aluminum / PFA options.

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LABTECH ELECTRONICS PVT. LTD.
PRECISION IN EVERY PROCESS

MEASURE FLOW WITH PRECISION

Accurate, reliable, and versatile flow measurement solutions for industrial processes, ensuring optimal performance, efficiency, and safety in various applications.





ANNUBAR FLOW METERS
ELECTROMAGNETIC FLOW METERS
THERMAL GAS FLOW METERS
TURBINE FLOW METERS
VORTEX FLOW METERS
CORIOLIS MASS FLOW METERS
OVAL GEAR FLOW METERS

PROFLOW 5000

Insertion Electromagnetic Flowmeter
Integral Electromagnetic Flowmeter
Remote Electromagnetic Flowmeter





The Electromagnetic Flow Meter (EMFM) measures the flow rate of conductive liquids and slurries based on Faraday's law of electromagnetic induction. It provides accurate and stable readings, unaffected by temperature, pressure, viscosity, or density changes, Ideal for water, wastewater, chemical, food, and slurry applications where reliability and zero-maintenance performance are essential.

- No moving parts – ensures maintenance-free and long-term reliable operation.
- Measures conductive liquids, slurries, and wastewater with high accuracy.
- Unaffected by pressure, temperature, or density variations.
- Provides bidirectional flow measurement and excellent linearity.
- PTFE / PFA liners and SS316 electrodes for chemical and corrosive service.
- Available with HART / Modbus / Pulse / 4–20 mA outputs and totalizer display.



STEAMTEX 5000

Vortex Flowmeter

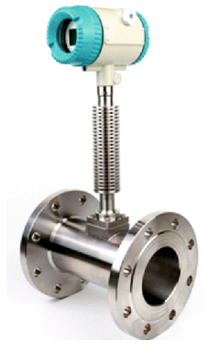






The Vortex Flow Meter measures the flow of liquids, gases, and steam by detecting the vortices shed from a bluff body placed in the flow path (Kármán vortex principle). It provides accurate volumetric or mass flow measurement with excellent reliability, even under high temperature and pressure conditions.This meter is ideal for steam, compressed air, and process gases, offering high stability and negligible pressure loss across a wide range of industries.

- Universal flow measurement for liquids, gases, and steam in a single device.
- No moving parts, ensuring long-term stability and minimal maintenance.
- Unaffected by pressure, temperature, or viscosity fluctuations.
- High accuracy (±1.0%) and wide turndown ratio up to 30:1.
- Available in flanged, wafer, or insertion types for pipes up to 600 mm.
- Integral or remote transmitter with digital display and totalizer.
- Output options: 4–20 mA, Pulse, HART, Modbus RTU, RS485.



PROEX 5001

ANNUBAR FLOW METER
DP FLOW METER





PROEX 5001 The Annubar Flow Meter (Averaging Pitot Tube) is a differential pressure–based primary flow element designed for high accuracy, low permanent pressure loss, and minimal maintenance. It measures the average flow velocity across a pipe section and converts it into flow rate using Bernoulli's principle, with suitable for high temperature and high pressure critical applications

- Suitable for liquid, gas, and steam measurement
- Provides insertion-style installation, minimizing piping modification
- Low pressure drop compared to orifice plates
- Multiport averaging design ensures accurate and repeatable readings
- Excellent long-term stability and rugged construction (SS316 / Monel / Hastelloy)
- Ideal for large line sizes (up to 120")



PROTURB 5000

TURBINE FLOWMETER





The Turbine Flow Meter is a precision instrument designed for measuring the volumetric flow rate of liquids and gases using the mechanical rotation principle. The fluid passing through the turbine causes the rotor to spin proportionally to the velocity of flow, and the rotational speed is converted into an electrical signal for accurate flow measurement. It is ideal for clean, low-viscosity fluids such as water, fuel, and light chemicals, providing high accuracy, fast response, and repeatable performance in critical process and transfer applications.

- High accuracy (±0.2% to ±0.5%) with excellent repeatability.
- Fast response time and wide turndown ratio up to 20:1.
- Suitable for clean liquids and low-viscosity fluids (0.8 to 5 cP).
- Compact, lightweight, and robust stainless-steel construction.
- Low pressure drop and minimal maintenance requirements.
- Available in flanged, threaded, or sanitary designs for various applications.
- Output options: Pulse / 4–20 mA / HART / Modbus / Totalizer display.



