Honeywell
THE POWER OF CONNECTED | Connected Plant

VERSAFLOW FLOW METERS

Accurate and Reliable Measurements for the Most Demanding Applications

Honeywell VersaFlow Solutions

As part of Honeywell's broad lineup of field instruments, VersaFlow flowmeters are built to our exacting standards for quality, performance and reliability backed up by a comprehensive global support network.

VersaFlow
Electromagnetic Flowmeter

VersaFlow Electromagnetic Flowmeter is suitable for a variety of measuring tasks and applications, including rapidly changing media, pH jumps, large amounts of solids or pulsating flow. Product versatility enables VersaFlow Magmeters to deliver significant cost savings during planning, procurement, installation and training. Virtual reference grounding eliminates the need for grounding electrodes or rings, reducing installation costs and potential leak points.

Benefits

- Proven technology
- Expanded application capabilities
- A wide range of process conditions
- Easy to install and operate
- Sizes to fit your application requirements
- Chemically resistant to acids and alkalis

Features

- Conductivity down to 1 µS/cm
- Virtual reference ground
- Conductivity and electrode resistance measurement
- Easy to select and maintain
- Empty pipe detection
- Electrode noise detection
- Modular electronics concept

Applications

- Suitable for all conductive applications
- From clean liquids to slurries and pastes with high solids content
- Abrasion, chemical and vacuum resistant
- Suitable for high temperatures
- Energy measurement in commercial buildings

VersaFlow
Coriolis Mass Flowmeter

VersaFlow Coriolis Mass Flowmeter measures mass flow, density, volume, temperature, mass or volume concentration and solids content with a single device. It is the only coriolis sensor for mass flow applications with a straight measuring tube that is available in Hastelloy®, titanium or stainless steel. It offers a high degree of accuracy even for difficult applications.

Benefits

- Direct mass and density measurement
- Highly accurate and low pressure drop
- Near zero flow rate
- Flow conditioning usually not required
- Reduced maintenance time and cost
- A wide range of flow applications

Features

- Secondary pressure containment around sensor
- Pressure-resistant jacket up to 100 bar (1450 psi)
- Measures from 0.3 to 430,000 kg/h of flow
- Easily drained and easy to clean
- Excellent zero stability
- Rapid signal processing even with product and temperature changes and sudden changes in density
- Modular electronics concept and data redundancy

Applications

- Viscous or shear-sensitive products
- Custody transfer
- In homogeneous mixtures
- Products with entrained solids or gas
- Abrasive fluids
- Density, temperature and concentration measurement

VersaFlow
Vortex Flowmeter

VersaFlow Vortex Flowmeter is the only vortex flowmeter with integrated pressure and temperature compensation in 2-wire technology, providing maximum performance at the lowest installed cost. VersaFlow Vortex Flowmeter provides reliable measurement of operating, standard volumetric and mass flow of conductive and non-conductive liquids, gases and vapors, even with fluctuating pressures and temperatures.

Benefits

- Reduced installation cost and improved performance
- Rugged, long-lasting design for the toughest applications
- Easy to install and maintain
- Multiple parameter monitoring

Features

- 2-wire device with integrated pressure and temperature compensation
- Non-wearing, fully welded stainless steel construction with high corrosion, pressure and temperature resistance
- Optimal process reliability due to Intelligent Signal Processing (ISP)
- Maintenance-free, water hammer resistant sensor design
- Pressure and temperature can be called up via HART®

Applications

- Superheated and saturated steam measurement
- Steam boiler monitoring
- Monitoring of compressor output
- Measurement of consumption in compressed air systems
- Measurement of consumption of industrial gases
- Measurement of conductive and non-conductive liquids
- SIP and CIP processes in food and pharmaceutical applications

VersaFlow
Clamp-on Ultrasonic Flowmeter

VersaFlow Clamp-on Ultrasonic Flowmeter stands for continuity and long-term reliability. Flow measurement can be done anywhere and startup is immediate. The clamp-on flowmeter with its robust industrial construction and regreasing concept provides a revolutionary solution for easy handling and reduced maintenance costs.

Benefits

- Reduced installed cost
- Low cost to service and maintain
- No flow interruptions and no downtime
- No pressure loss, no wear and no clogging

Features

- Non intrusive
- Easy sensor mounting
- Optimized reliability
- Easy installation wizard
- Minimal maintenance
- Flexible

Applications

- Chemical addition
- Potable water
- Purified water
- Broad range of refined hydrocarbons
- Sanitary flow rate measurements
- Deionized and demineralized water

A Versatile Flowmeter Solution

Honeywell VersaFlow flowmeters provide accurate and reliable measurements for demanding applications in the following industries:

Industries	Electromagnetic	Vortex	Coriolis	Clamp-on Ultrasonic
Chemicals	✔	✔	✔	✔
Petrochemical			✔	✔
Food & Beverage	✔		✔	✔
Minerals & Mining	✔	✔	✔	
Oil & Gas	✔	✔	✔	✔
Pharmaceuticals	✔		✔	✔
Power Plants	✔	✔	✔	✔
Pulp & Paper	✔	✔	✔	
Water	✔	✔	✔	✔
Wastewater	✔		✔	
Iron, Steel & Metals		✔	✔	
Automotive	✔	✔	✔	

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For More Information

For more information about Honeywell's VersaFlow flowmeters, visit www.honeywellprocess.com or contact your Honeywell account manager.

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