



HONEYWELL FIELD SOLUTIONS OFFERS  
A COMPLETE RANGE OF FLOWMETERS

**Accurate and Reliable Measurements  
for the Most Demanding Applications**

# Honeywell VersaFlow Solutions

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



## VersaFlow Electromagnetic Flowmeter

The Honeywell 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 to deliver significant cost savings during planning, procurement, installation and training. New virtual reference grounding eliminates the need for grounding electrodes or rings, reducing installation costs and potential leak points.

## VersaFlow Coriolis Mass Flowmeter

The Honeywell 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 problematic applications.

### 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

### Benefits

- Improved safety
- A wide range of flow applications
- Reduced maintenance cost and worry
- Improved performance
- Reduced maintenance time and cost

### Features

- 250,000 units in operation
- Conductivity down to 1  $\mu\text{S}/\text{cm}$
- Temperature up to 180°C/356°F
- Easy to select, fit and forget
- Available sizes: 0.1 to 80 inch (DN 2.5 - 3000)
- Various electrode materials available
- Standard liners: PTFE, PFA, ETFE, hard rubber and polyurethane

### 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 – sensor and plug-and-play electronics easy to replace

### 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

### Applications

- Viscous or shear-sensitive products
- Products requiring low flow velocities
- In homogeneous mixtures
- Products with entrained solids or gas
- Flow and purity measurement
- Density, temperature and concentration measurement



## VersaFlow Vortex Flowmeter

The Honeywell 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. The VersaFlow 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 thanks to ISP (Intelligent stable readings, free of external signal processing)
- Ready to use immediately--plug-and-play
- Maintenance-free 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
- SIP and CIP processes in the food, beverage and pharmaceutical industries
- Measurement of conductive and non-conductive liquids

## VersaFlow Clamp-on Ultrasonic Flowmeter

The Honeywell 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 and improved performance
- Low cost to service and maintain

### Features

- Minimized uncertainty
- Easy sensor mounting
- Optimized reliability
- Installation wizard
- Minimal maintenance
- All in one system
- Efficient regreasing concept

### Applications

- Chemical addition
- Potable water
- General process control
- Purified water
- Broad range of refined hydrocarbons
- Sanitary flow rate measurements
- De-ionized and demineralized water
- Cooling water/district heating water

## A Versatile Flowmeter Solution

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

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