



VersaFlow Ultrasonic Flowmeter

The Honeywell VersaFlow Ultrasonic Flowmeter is a 3-beam ultrasonic flowmeter designed for liquid applications that provides reliable flow measurements independent of conductivity, viscosity, temperature, density and pressure.

Features

- 3-beams generate measurements effectively independent of flow profile
- High performance through the application of innovative electronics and digital signal processing (DSP)
- Optional pressure and temperature inputs for calculation of standardized volumetric flow or mass flow according to API 2540
- Over 20,000 ultrasonic flowmeters installed worldwide
- Easy to install and operate
- No moving or intruding parts, no wear, no drift, therefore no additional pressure loss
- No material build-up as unobstructed flow sensor with smooth surface finish
- No periodic re-calibration or maintenance
- Insensitive to corrosive or abrasive products
- Excellent long-term stability and reliability

Applications

- Metering of cooling water and demineralized water
- Control of batching and blending operations
- Mass flow measurement
- Allocation measurement
- District heating
- Irrigation
- Energy measurement

A Versatile Flowmeter Solution

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

Industries	Electro-magnetic	Vortex	Coriolis	Ultrasonic
Chemicals	✓	✓	✓	✓
Petrochemical			✓	✓
Food & Beverage	✓		✓	✓
Minerals & Mining	✓		✓	
Oil & Gas	✓	✓	✓	✓
Pharmaceuticals	✓		✓	✓
Power Plants	✓	✓	✓	✓
Pulp & Paper	✓	✓	✓	
Water	✓	✓	✓	✓
Wastewater	✓		✓	
Iron, Steel & Metals		✓	✓	
Automotive		✓		

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. Count on Honeywell to be your single source for process automation solutions from Level 1 field solutions to advanced control, services and support.

Find out more

For an on site demo or further information contact your Honeywell representative.

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Honeywell VersaFlow Solutions



HONEYWELL FIELD SOLUTIONS OFFERS A COMPLETE RANGE OF FLOWMETERS

Accurate and reliable measurements for the most demanding applications

Honeywell

Honeywell



VersaFlow Electromagnetic Flowmeter

The Honeywell VersaFlow Electromagnetic Flowmeter is a general purpose transducer suitable for a variety of measuring tasks and applications. VersaFlow delivers the highest degree of application certainty, even in the face of rapidly changing media, pH jumps, large amounts of solids or pulsating flow.

Product versatility enables VersaFlow to deliver significant costs savings during planning, procurement, installation and training phases of your project. Due to the new virtual reference, grounding electrodes or expensive grounding rings are not required.

Features

- Dimensionally stable PFA liner with stainless steel mesh
- Housing and flanges available in stainless steel
- Available sizes: 0.1 to 80 inches
- Robust and reliable
- Proven: over 250,000 units operating in the field
- Works reliably under demanding conditions:
 - High temperatures: up to 180°C / 356°F
 - Low conductivity: non-water (1 µS/cm), water (20 µS/cm)
- Quick and easy to install and operate
- Excellent long-term stability
- Chemically resistant to alkaline solutions and acids
- Hazardous area versions available

Applications

- For clean liquids
- For slurries and pastes with high solids content
- For abrasive and aggressive products



VersaFlow Coriolis Mass Flowmeter

The Honeywell VersaFlow Coriolis Mass Flowmeter reliably measures mass flow, density, volume, temperature, mass or volume concentration as well as solids content with a single device. The VersaFlow is the only coriolis sensor for mass flow applications with a straight measuring tube that's available in Hastelloy®, titanium or stainless steel. It can be installed independent of the type of external influences such as pipeline vibrations. It offers a high degree of accuracy and reliability even for problematic applications such as highly viscous media, homogeneous mixtures, media with a proportion of solids or gas inclusions.

Features

- Secondary pressure containment around sensor
- Measures from 0.3 to 430,000 kg/h of flow
- Process temperature to 350°C
- Pressure-resistant jacket up to 100 bar
- Easily drained and easy to clean
- Excellent zero stability
- Low energy consumption, low operating and installation costs
- Rapid signal processing even with product and temperature changes and sudden changes in density
- Modular electronics concept—electronics and sensor easy to replace
- Data redundancy—accurate plug and play replacement of electronics

Applications

- Viscous or shear-sensitive products
- Products requiring low flow velocities
- In homogeneous mixtures
- Products with entrained solids or gas



VersaFlow Vortex Flowmeter

The Honeywell VersaFlow Vortex Flowmeter is the only vortex flowmeter with integrated pressure and temperature compensation in 2-wire technology. 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. VersaFlow vortex flowmeters deliver excellent long-term stability due to their rugged construction.

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 Intelligent Signal Processing (ISP) - stable readings, free of external perturbations
- Ready to use immediately thanks to plug and play
- Maintenance-free sensor design
- Pressure and temperature can be called up via HART

Applications

- Vapor 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