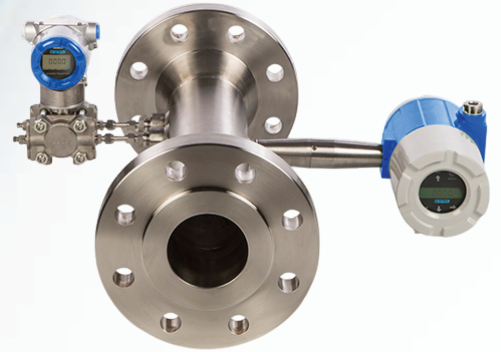


Accurate Steam Flow & Quality Measurement for Demanding Industrial Environments

Modern manufacturing industries face increasing challenges in accurately measuring both steam flow and steam quality—especially under tough process conditions. Tek-Trol's Tek-CoVor 1300D Steam Quality Meter offers a reliable solution by combining two proven technologies: Vortex and Cone Flow Metering. This innovative hybrid design brings together the strengths of both systems to deliver precise measurements of volume, density, and mass flow, ensuring dependable performance and superior steam quality monitoring.



TEK-COVOR 1300D Precision Steam Quality and Flow Measurement

www.tek-trol.com

Flow | Level | Temperature | Pressure
Valves | Accessories | TekValSys

WHY CHOOSE TEK-CoVor 1300D?

The Tek-CoVor 1300D offers a unique hybrid of Vortex and Cone technologies, delivering accurate measurement of steam flow, mass, volume, and quality in one compact device. Unlike traditional meters, it integrates temperature and pressure sensors with built-in flow computing, reducing the need for multiple instruments. Its versatility, reliability in dynamic conditions, and cost-effective performance make it ideal for industries like pharmaceuticals, refining, and food processing. Additionally, the TekValSys DP system helps validate the DP Cone element's performance and provides accurate differential pressure flow readings, ensuring long-term accuracy and diagnostic support.

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VALUES DELIVERED

Multivariable Measurement Capabilities

- Integrates temperature and pressure sensors to deliver reliable liquid loading measurement and accurate gas mass flow rate

Built-in Flow Computing & Versatile Outputs

- Offers flow computer functionality in a compact field device
- Field-configurable electronics provide up to three 4–20mA analog outputs for five process parameters: volume, mass, pressure, temperature, and density

Smart Density & Flow Calculations

- Predicts gas volume flow without prior knowledge of fluid density
- Calculates density for changing gas mixtures, ensures homogenous flow measurement, and provides reliable steam quality readings

Advanced Temperature Compensation (Tek-CoVor 1300D-VT)

- Features a precision 1000Ω platinum RTD for temperature compensation
- Accurately outputs compensated mass flow and reliable steam dryness (quality) even in steam-water mixtures

Cost-Effective Flow Monitoring (Tek-CoVor 1300D-V)

- Provides direct volumetric flow rate measurements
- Ideal for basic liquid flow applications, offering a budget-friendly solution for accurate monitoring

FEATURES

- Multivariable Measurement Capabilities
- Built-in Flow Computing & Versatile Outputs
- Smart Density & Flow Calculations
- Cost-Effective Flow Monitoring (Tek-CoVor 1300D-V)
- Advanced Temperature Compensation (Tek-CoVor 1300D-VT)

APPLICATIONS



Pharmaceutical Industry
Autoclave sterilization processes



Rubber Manufacturing
Vulcanization applications



Food Processing
Steam and boiler system monitoring



Refining Industry
Reliable steam flow measurement



Oil and Gas
Downhole steam injection & wet gas applications



General Utilities
Water and hydrocarbon fuel flow monitoring