

## FLOW

Your Partner for Flow  
Measurement Products  
and Solutions

SYSTEMS | PRODUCTS | SOLUTIONS | SERVICES

### Eximp Measurement Private Limited

Eximp Measurement Private Limited (EMPL) is a specialized provider of design, supply, construction, commissioning and continuous service support of field-proven innovative products and solutions for flow measurement in India.

### STEAM QUALITY METER

## Applications

- Pharmaceutical
- Rubber
- Refining
- Boiler House
- Food Processing

In today's manufacturing industries, one specific new challenge is the measurement of steam flow and steam quality. Steam flow measurement requires flow meters that can operate accurately in a consistent manner at challenging conditions.

Tek-Trol's Tek-CoVor 1300D Steam Quality Meter provides accurate steam flow and steam quality measurement. This unique meter utilizes two flow meter technologies in a combination of Vortex and Cone Flow Meter. Two meters complement each other's performance as this design has put together two separate flow metering systems into a hybrid system where combination of Vortex and Cone Flow Meters provide volume, density and mass flow measurement.

@ empl@eximpmeasurement.com

+91 (20) 27654694

# Tek-CoVor 1300D

## Velocity, Temperature, Pressure

- Multivariable meter that incorporates temperature and pressure sensors to provide a reliable liquid loading measurement and gas mass flow rate.
- Offers flow computer functionality in a compact field device. The field-configurable electronics delivers up to three analog 4-20mA outputs of five process measurements, such as volume, mass, pressure, temperature and density.
- Predicts the gas volume flow without knowing fluid density, calculates the density of changing gas mixtures, measures homogenous flow and provides reliable steam quality.
- It is also used for oil and gas applications, where the meter is available for downhole steam injection and wet gas applications.

## Specifications

Accuracy	± 5% of Reading
Line Size	½" to 12"
Temperature	-330 to 500°F (-200 to 260°C)
Pressure	30 to 2750psi
Output Signals	4 to 20mA
Approvals	FM, FMC, ATEX, IECEx



VTP



VT  
V

# Tek-CoVor 1300D

## Velocity, Temperature & Velocity

- Tek-CoVor 1300D-VT integrates a precision 1000Ω platinum RTD temperature sensor that can be used to calculate and output a compensated mass reading. This device provides a reliable steam quality (dryness) measurement and steam total mass flow rate reading (steam & water mixture).
- Tek-CoVor 1300D-V (Velocity) delivers a direct reading of volumetric flow rate, where the most cost-effective solution for liquid flow monitoring in applications ranging from general water flows to hydrocarbon fuel flow measurement.
- Widely used in the autoclave sterilization process.

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# Tek-CoVor 1300D

## TekValSys DP

- Advanced diagnostic with continuous monitoring and verification for meter's performance.
- Since Tek-CoVor 1300D Steam Quality Meter is a combination of Vortex and Cone, TekValSys DP helps validate DP Cone element if working correctly.
- TekValSys DP provides DP flow readings when used with Tek-CoVor 1300D Steam Quality Meter.
- Mass flow equations for additional diagnostic information and verification – real gas, ideal gas, AGA 8, API 2540.

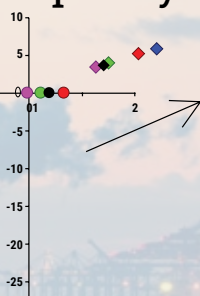
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# STEAM QUALITY

# TEK VALSYS DP

reducing quality



reducing quality

## Tek-CoVor 1300D Steam Quality Meter

- Multiple readings from a single installed device reduce initial cost, installation cost and cost-of-ownership over the lifetime of the meter.
- Energy Monitoring—ability to compute and output energy consumption with select fluids, like Steam, water and heat transfer fluids.
- Remote electronics options are available for use in harsh environments or locations with limited access.
- Highly reliable with no moving parts and no fluid to sensor contact.
- Ability to compute and output energy consumption with select fluids, such as Steam, water and heat transfer fluids.

## Specifications

Configuration	Supports DP Transmitters
Troubleshooting	Captured Data Points
Display	Data Logging Functionality
Diagnostics	Variable Trending Views
Connection	Primary and Secondary Devices
Evaluation	Multiple Devices

# Engineering eXcellence In Measurement Packages



## OUR OTHER FLAGSHIP MEASUREMENT PRODUCTS

- Ultrasonic Flow Meter
- Thermal Mass Flow Meter
- Electromagnetic Flow Meter
- Cone Flow Meter

## Contact us

- Registered Office**  
 301, DLF Commercial Centre, Greater Kailash – II  
 New Delhi – 110048, India  
 +91 (11) 45686122
- Sales Office**  
 1 & 3, Shyamnand, Sector No 24/379A,  
 Pradhikaran, Nigdi, Pune – 411044, India  
 +91 (020) 27654694
- Project Office**  
 1<sup>st</sup> Floor, Plot No. 17, Sangath Bungalows,  
 Off Sama Savali Road, Vadodara – 390008, India  
 Tel : +91 9011932007
- Tel : +91 7517527527  
 tascgroup@eximpinc.com

## Support Services

EMPL is committed to support its customers with competent pre & after-sales service to guarantee the function of our products and Engineered Systems, including on-site & re-calibration and / or reconfiguration support & training customers.

“Flow measurement and meter verification services.”



[www.eximpmeasurement.com](http://www.eximpmeasurement.com)  
[empl@eximpmeasurement.com](mailto:empl@eximpmeasurement.com)

