

MICRO MOTION® DENSITY, CONCENTRATION & VISCOSITY METERS

Continuously Improve Safety and Efficiency in the Most Critical Process Applications

Micro Motion high precision density, concentration and viscosity meters are specifically designed to meet your measurement needs for gas or liquid applications.

Gas Density Meter

Gas Density Meter (GDM) delivers fast-response online gas density and purity measurements. Designed for fiscal metering, this rugged and reliable meter raises the standard for online density measurement of gases such as fuel gas, syngas, hydrogen and natural gas mixtures. The meter enhances your custody transfer, purity and blending measurement confidence by leveraging best-in-class performance and leading accredited calibration facilities.

- An innovative sensor unaffected by process or compositional changes that provides the best, real-world measurement performance
- The tightest density resolution and accuracy available ($\pm 0.1\%$ reading over 1-400 kg/m³ range)



Gas Specific Gravity Meter

Delivers precision, fast-response measurements of specific gravity, molecular weight, gas purity, BTU/calorific value and Wobbe Index. This rugged and reliable meter raises the standard in online Specific Gravity measurement and enhances the custody transfer, gas purity and combustion control capabilities of diverse applications such as fuel gas, syngas, hydrogen and natural gas mixtures.

- Simple integration into DCS, PLC, and flow computers (Frequency/Time Period, Analog 4-20mA, HART®, Modbus RS485 and WirelessHART™)
- Revolutionary device diagnostics and verification methods



A integral sample conditioning system design with customer requirements to accommodate a wide range of process conditions.

Compact Density Meter

Providing precision density and temperature for custody transfer and concentration measurement, the Compact Density Meter (CDM) features simple system integration, health diagnostics and flow-rate indication to help verify sample integrity.

- Achieve superior real-world performance with elevated and combined temperature and pressure calibration
- Ensure sample integrity with flow-rate indication
- Reduce measurement errors and minimize negative installation effects with case RTDs that adjust for ambient temperature
- Rely on compliance and compatibility to global standards - NACE, Norsok, MID, ISO/IEC 17025



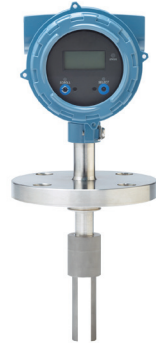
MICRO MOTION® DENSITY, CONCENTRATION & VISCOSITY METERS

Continuously Improve Safety and Efficiency in the Most Critical Process Applications

Fork Density Meter

Delivers accurate online density and concentration measurement using a direct insertion tuning fork design. This rugged and reliable meter raises the standard for inline density and concentration monitoring and enhances the interface detection, concentration control and blending operations of process fluids

- Increase installation flexibility with continuous, real-time measurement in pipelines, bypass loops and tanks
- Optimized design; insensitive to vibration, temperature and pressure variations



Fork Viscosity Meter

Purpose built for today's connected environments, the Fork Viscosity Meter (FVM) is a fast-response, direct-insertion multivariable sensor that delivers reliable viscosity, density and temperature measurement in pipelines, bypass loops and tanks.

- Receive reliable and continuous multivariable measurement of viscosity, density and temperature
- Easily insert directly into pipelines, bypass loops and tanks
- Expand usage with a hazardous area-approved, head-mounted transmitter that supports local configuration and display
- Support multiple simultaneous protocols for connection to DCS, PLC and flow computers



Viscomaster Heavy Fuel Viscosity Meter

Our Heavy Fuel Viscosity Meter (HFVM) Viscomaster delivers accurate, online viscosity and density measurement using a direct insertion tuning fork design. This rugged and reliable meter raises the standard for inline viscosity and density monitoring and enhances the product quality, blending operations, and efficient combustion of process liquids as diverse as Heavy Fuel Oil, asphalts and refined products.

- Rely on marine approvals from Lloyds London, Germanischer Lloyd, Det Norske Veritas, Bureau Veritas and the American Bureau of Shipping
- Extend flexibility with retro-fit kits for replacement solutions of capillary and torsional meters



For further information, contact your local Emerson sales team.

MICRO MOTION™

MC-001537 Rev B
02/2018

Emerson Automation Solutions
7070 Winchester Circle Boulder, Colorado 80301 USA
T +1 303-527-5200 T: 1 800 522 6277
©2018 Emerson. All rights reserved.

