

MICRO MOTION SPECIFIC GRAVITY METER SAMPLE CONDITIONING SYSTEM

Reduces Installation Complexity and Simplifies Commissioning

Emerson's Micro Motion Gas Specific Gravity Meter (SGM) with its integral sample conditioning system is designed with customer requirements to accommodate a wide range of process conditions. The SGM offers a direct, fast response gas specific gravity, molecular weight, relative and base density measurement, as well as derived multivariable outputs including Hydrogen Purity, Gas Energy, Calorific Value/BTU, Wobbe Index, and Energy Flow (when external device connected).

Key Specifications

Accuracy	up to $\pm 0.1\%$ (reading)
Repeatability	$\pm 0.02\%$ (reading)
Wetted Materials	Ni-span C 902, Aluminium Alloy, 316L Stainless Steel
Certification*	ATEX II1G EEx ia IIC T5, CSA CUS C1 D1 Grps A, B, C & D, T4
Input Pressure	up to 100 bara (1450 psia) (SCS)

*Components have CSA or ATEX certification



Features and Benefits

The sample conditioning system is a cost-effective solution to meet customer needs of installation, calibration and maintenance simplicity.

- Easy installation with all conditioning elements held within the meter enclosure
- Reduced sample pipe-work costs
- Available with an optional flowmeter, regulator, heater, and I.S. Barriers or Isolators
- Available with Stainless Steel enclosure

For detailed performance of the SGM Gas Specific Gravity meter, go to:
www.emerson.com/density

For further information, contact your local Emerson sales team.

MICRO MOTION™

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