Gas Density Meter

Emerson Process Management has released the Micro Motion Gas Density Meter, the next generation of the Micro Motion 7812 gas density meter designed for natural gas custody transfer, refinery/fuel gas measurement, hydrogen purity monitoring and many other process gas applications. Using Ni-span C vibrating cylinder technology to ensure performance under varying process and environmental conditions, this meter solves problems such as reducing custody transfer gain/loss errors, inefficient hydrogen cooling of turbines or reduced steam heat and reliability from fired heaters. The meter now incorporates a head-mounted transmitter that has the flexibility to digitally connect to distributed control systems as well as the ability to output raw sensor signals to flow computers - conforming to custody transfer best practices. This new transmitter module has the capability of being able to output sensor data in four formats simultaneously - sensor frequency (time period), 4-20mA, HART and RS485 Modbus. This allows the user to view meter health and performance indicators in applications where this information was previously unavailable, such as in custody transfer. Calibrations are traceable to national standards with an optional IEC/ISO17025 accreditation that ensures compliance to the most stringent custody transfer requirements. The meter also uses a new diagnostic capability that checks the meter for measurement alarm conditions, sensor integrity and the presence of coating, erosion or corrosion.

Emerson Process Management

www.emersonprocess.com [1]

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