

Immersible Thermal Gas Mass Flow Meter

FEATURES

- Direct mass flow monitoring eliminates need for separate temperature and pressure inputs
- Accuracy +/- 1% of reading plus 0.5% of full scale
- Patented Dry-Sense™ technology eliminates sensor drift
- State-of-the-art calibration facility insures a highly accurate calibration that matches the application
- Field validation of meter electronics and sensor resistance verifies flow meter performance
- One-second response to changes in flow rate
- FM, CSA, PED, ATEX and GOST R/RTN certified for hazardous areas
- CE approved
- High temperature option to 750°F (400°C) available
- Multipoint options available
- Integrated self-cleaning purge option available for dirty flows
- Low and high pressure hot taps available
- Optional HART, Modbus and Profibus DP available, Foundation Fieldbus (pending)

SteelMass 640S



DESCRIPTION

Sierra Instruments' SteelMass® Model 640S immersible thermal mass flow meter is designed for the toughest industrial gas flow measurement applications.

The versatile microprocessor-based transmitter integrates the functions of flow measurement, flow-range adjustment, meter validation and diagnostics in either a probe-mounted or remote housing. Mass flow rate and totalized flow, as well as other configuration variables, are displayed on the optional 2 x 12 LCD display. The programmable transmitter is easily configured via an RS-232 communication port and Sierra's Smart Interface™ software, or via the display and magnetic switches on the instrument.

Sierra's state-of-the-art calibration facility insures that the calibration will match the application, and our patented Dry-Sense™ thermal sensor insures the Model 640S will hold this calibration over time.

Sierra's Smart Interface™ software guides you through a procedure to fully validate instrument performance, thus field-verifying meter functionality.

The meter is available with a variety of input power, output signal, mounting and packaging options.



www.sierrainstruments.com



The information contained herein is subject to change without notice.