

## Immersible Thermal Gas Mass Flow Meter

### FEATURES

- Direct mass flow monitoring eliminates need for separate temperature and pressure inputs
- Accuracy of 1% of reading up to 10% of full scale
- Patented Inven™ technology eliminates sensor drift
- Use of the air calibration facility ensures a highly accurate calibration that matches the application
- Field calibration of water electrolysis and sensor resistance on-line flow meter performance
- One second response to changes in flow rate
- UL, CSA, IEC, ATEX and SIL1 ATEX certified for hazardous areas
- CE approved
- High temperature options (200°/300°C) available
- Reliquant option available
- Integrated self-cleaning purge option available for dirty flows
- Low and high pressure full flow available
- Optional HART, Modbus and Profibus DP available, Foundation™/Fieldbus (pending)



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# SteelMass 640S



### DESCRIPTION

**S**iemens Inven™ Inven™ Model 640S Immersible Thermal Gas Mass Flow Meter is designed for the highest industrial gas flow measurement applications.

The accurate measurement based transmitter integrates the functions of flow measurement, flow range adjustment, sensor calibration and diagnostics in either a panel-mounted or remote housing. Mass flow rate, actualized flow, as well as other configuration variables, are displayed on the optional 1 x 12.1" display. The programmable transmitter is easily configured via a 4-20 mA communication port and Sierra's Inven™ interface™ software, or via the display and magnetic switches on the instrument.

Sierra's state-of-the-art calibration facility ensures that the calibration will meet the application, and our patented Inven™ Thermal sensor ensures the Model 640S will have the calibration over time.

Sierra's Inven™ interface™ software guides you through application-to-field calibration, measurement performance, flow field monitoring, meter functionality.

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

For detailed information, visit us at [www.siemens.com](http://www.siemens.com).