Sierra Showcases Hydrogen Flow Meter Solution at World Hydrogen 2023 Summit & Exhibition

May 5, 2023– Monterey, California – Sierra Instruments announces it will exhibit its QuadraTherm® hydrogen flow meter solution at the World Hydrogen 2023, May 9-11 in Rotterdam Ahow, Netherlands (Hall 3, Booth A70).

Sierra offers a wide range of hydrogen solutions to meet the challenges in both green and blue hydrogen production. QuadraTherm is the ideal hydrogen gas flow measurement solution that provides accuracy, repeatability, and reliability that delivers critical flow measurement data to help increase your process efficiency and reduce costs.

QuadraTherm delivers the world's most accurate thermal mass flow measurements (+/- 0.5% of reading above 50% of full scale for flow meter air measurement and other gases). Accuracy is as good as, if not better than, Coriolis at a fraction of the price. The meter's built-in flow conditioning (inline version); has high turndown to handle low flows to high flows during upset conditions; multivariable outputs; flow ranges up to 60,000 sfpm (305 smps); qTherm®, Dial-A-Gas®, Dial-A-Pipe™; accurately measures very low-pressure vapors with no pressure loss; and has Hazardous Area approvals (ATEX, IECEx, CE, cFMus). The QuadraTherm is available in two models: the 640i insertion and 780i inline.

The QuadraTherm family has a no-drift sensor with lifetime warranty; has multivariable output: mass flow, temperature, pressure (optional); can measure all gases that do not corrode stainless steel (SS); flammable gases (methane, propane, hydrogen, and digester gas); repeatability for mass flow rate is +/- 0.15% ; ValidCal™ Diagnostics to validate calibration in the field; gas accuracy is +/- 1°C (1.8°F); and includes qMix®.

Key Customer Benefits

- Great for industrial hydrogen low-pressure applications
- Direct mass flow measurement immune to changes in temperature and pressure
- High flows up to 60,000 sfpm (0-305 smps)
- Accuracy:
  +/-0.5% of reading (inline)
  +/- .075% of reading (insertion)

- Wide turndown up to 1000:1 to handle peak and low flow fluctuations
- qMix software to easily create pure gases or any gas mixture in the field and retain accuracy – no additional factory calibration necessary
- Insertion with hot tap for easy installation on large pipes (no process shut down)

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Visit us in **Hall 3 Booth A70,** at the World Hydrogen Summit to learn how QuadraTherm can help you with your flow application needs.

We understand flow is tough. We can solve this together.
A global pioneer in the design and manufacturing of flow instruments for 50 years, Sierra Instruments provides solutions for customers in a wide variety of global industries, including scientific research, bioprocessing, semiconductor, clean energy, oil & gas, energy management, and aerospace to name a few. With over 150 locations in over 50 countries, Sierra is uniquely positioned to provide innovative products and support for the leading companies of today and the growth enterprises of tomorrow. Visit Sierra at sierrainstruments.com.

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