



Sierra to Exhibit World's Most Accurate Thermal Mass Flow Meter at the World Hydrogen 2024 Summit and Exhibition

May 8, 2024– Monterey, California – [Sierra Instruments](https://www.sierrainstruments.com) will exhibit its QuadraTherm® hydrogen mass flow meter solution at the World Hydrogen 2024 Summit and Exhibition, May 13-15 in Rotterdam Ahoy, Netherlands (Hall 3, Booth A14).

“Hydrogen is an exciting growth market,” says Robert Cid, Director of Product Marketing, “and Sierra has the ideal measurement solution for low-pressure applications. Our [QuadraTherm](#) delivers the world’s most accurate thermal mass flow measurements: +/- 0.5% of reading above 50% of full scale. Its 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: mass flow, temperature, pressure (optional); accurately measures very low-pressure vapors with no pressure loss; flow ranges up to 60,000 sfp (305 smps); Dial-A-Gas® and Dial-A-Pipe®; and has Hazardous Area approvals (ATEX, IECEx, CE, cFMus). The QuadraTherm is available in two models, the 640i insertion and 780i inline.

The [QuadraTherm](#) has a no-drift sensor with a lifetime warranty and can measure all gases that do not corrode stainless steel (SS); flammable gases (methane, propane, hydrogen, and digester gas); and its repeatability for mass flow rate is +/- 0.15%. Its ValidCalb diagnostics can validate calibration in the field, and gas temperature accuracy is +/- 1°C (1.8°F). QuadraTherm’s qMix software gives the user flexibility to easily create pure gases or any gas mixture in the field and retain accuracy. No additional factory calibration is necessary.

Sierra offers a wide range of other hydrogen solutions for both green and blue hydrogen production. These solutions provide accuracy, repeatability, and reliability and deliver critical flow measurement data to help increase process efficiency and reduce costs.

We deliver on the promise of being Measurably Different.

A global pioneer in the design and manufacturing of flow instruments for 50 years, Sierra provides advanced flow measurement solutions for the world that control industrial processes, regulate greenhouse gases, convert waste to energy, deliver life-saving vaccines, and help create silicon chips that enable everyday life. 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](https://www.sierrainstruments.com).

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