

## SpectraSensors, Inc.

A leading global provider of laser-based process instrumentation



SpectraSensors Technology Development and Manufacturing Facility in Rancho Cucamonga, CA



SpectraSensors Headquarters in Houston, TX

SpectraSensors, Inc. is a leading global provider of laser-based on-line field analytical instrumentation for process control and monitoring applications. SpectraSensors was formed in 1999 as a technology spin-off of NASA-Caltech Jet Propulsion Laboratory. The Company's products are specifically designed to improve process efficiency, throughput and safety for natural gas production, transport, storage, distribution, gas processing, refining, petrochemical, specialty gas production and atmospheric monitoring for weather prediction. SpectraSensors' products have been adopted by leading corporations, including British Petroleum, Chevron, DCP Midstream, Shell, Kinder Morgan, Williams and many others, and has received recognition and awards for growth, innovation, and technical leadership.

Utilizing proprietary extractive tunable diode laser absorption spectroscopy (TDLAS) and other spectroscopic technologies, SpectraSensors delivers accurate and robust measurements with extremely fast response times resulting in improved performance, reliability and availability at a significantly lower total cost to install and own compared to alternative solutions. The Company's gas analyzers measure Moisture ( $H_2O$ ), Carbon Dioxide ( $CO_2$ ), Hydrogen Sulfide ( $H_2S$ ), Ammonia ( $NH_3$ ), Acetylene ( $C_2H_2$ ), Oxygen ( $O_2$ ) and more. SpectraSensors' proprietary extractive TDL technology is now the preferred optical-based process analytics technology in the hydrocarbon processing industry.

SpectraSensors also offers TDL technology to help commercial aircraft contribute critical atmospheric water vapor data for improved weather forecasting, which helps the aviation industry improve safety and efficiency, reduce fuel use and cut emissions. Currently, hundreds of aircrafts operating across the U.S. and Europe are equipped with the WVSS-II sensor to provide data supporting vital weather forecast operations at all National Meteorological Services and airlines. As the number continues to increase and improve worldwide weather services, it benefits all sectors of the global economy and the general public.

SpectraSensors has approximately 100 full-time employees worldwide. The company's headquarters is located in Houston, Texas and serves as the lead Center-of-Competence (CoC) for gas analytical instrumentation solutions while a regional CoC in Lyon, France provides solutions to the European markets. The technology development and manufacturing takes place in Rancho Cucamonga, California.

## Spirit of Endress+Hauser

### Key principles

- We serve our customers and learn from them
- We remain a family company
- We cultivate an atmosphere of trust
- Quality first
- Loyalty and corporate social responsibility are core values
- We communicate openly and in a constructive manner
- We learn from mistakes

### Leadership

- We lead by setting examples
- We challenge and support our employees
- We encourage individual development
- We cultivate team spirit
- We give recognition

### People

- We are modest
- We live up to our convictions
- We never give up
- We work well together
- We are friendly to each other
- We put common interest before self-interest
- We encourage diversity

### Priorities

- Our work is important to our customers
- We behave ethically
- Evolution, not revolution
- Doing the same things the same way, and right from the beginning
- We solve problems at their source
- We trust people with responsibility
- Profit is the result of doing well and not the target



Endress+Hauser's head offices in Reinach, Switzerland

SpectraSensors, Inc. is part of the Endress+Hauser Group. SpectraSensors was acquired in 2012 by Endress+Hauser and reports directly to Endress+Hauser Corporate offices in Switzerland. SpectraSensors now has access to a strong global network of Endress+Hauser sales centers in addition to SpectraSensors' well-established distributor and representative network. Joining the Endress+Hauser Group continues to enhance SpectraSensors ability to serve its customers globally now and for decades to come.

In late 2013, Kaiser Optical Systems, Inc., the company which developed the Raman-based Optograf™ spectrometer, was also acquired by Endress+Hauser, further solidifying the company's position in on-line field analytical instrumentation.

Endress+Hauser is a global leader in measurement instrumentation, services and solutions for industrial process engineering. Endress+Hauser offers comprehensive process solutions for flow, level, pressure, chemical analysis, temperature, recording and digital communications across a wide range of industries. Measurements performed by Endress+Hauser instruments facilitate optimization of industrial processes in terms of economic efficiency, safety and environmental protection.

**For more information, please visit:  
SpectraSensors at [www.spectrasensors.com](http://www.spectrasensors.com)  
Endress+Hauser at [www.endress.com](http://www.endress.com)**

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