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MKS Introduces the I-Series Family of High Flow Mass Flow Controllers

Precise Control and Accuracy for Flow Rates to 1000 slm

ANDOVER, Mass., Feb. 25, 2015 (GLOBE NEWSWIRE) -- MKS Instruments, Inc. (Nasdaq:MKSI), a global provider of technologies that enable advanced processes and improve productivity, has introduced the I-250, I-500 and I-1000 Mass Flow Controllers. These products extend MKS' I-Series full scale flow rate capabilities to 250, 500 and 1000 slm, respectively, and provide mass flow control for large scale production processes such as in Biopharm, Heat Treatment and Spray Coating. Available as both MFCs and MFMs, the IP66-rated I-250, I-500 and I-1000 are reliable, cost effective solutions for today's most rigorous industrial applications. Simultaneous to this release, MKS is also releasing a G-Series version of the 250 slm product, the G-250.

The I-250, I-500 and I-1000 incorporate the latest digital mass flow control electronics; a proven, patented thermal sensor and mechanical design provide 1% of setpoint accuracy and precise control for full scale flow rates from 100 to 250 slm (I-250), 250 to 500 slm (I-500) and 500 to 1000 slm (I-1000). Multi-gas/multi-range capability is enabled through the onboard Ethernet interface and allows the user to change the gas and range of the instrument, reducing inventory requirements. The I-250, I-500 and I-1000 also feature the ability to convert flow measurements to the user's unit of choice (e.g., slm, scfh, kg/hr.).

With the release of these products, the MKS I-Series mass flow products now provide customers with flow rate control capabilities extending from less than 1 sccm up to 1000 slm. Designed for use in harsh environments where resistance to liquid or dust ingress is essential, these elastomer-sealed instruments are available with analog I/O (0 to 5 VDC or 4 to 20 mA), with digital I/O soon to follow.

Note to editors: To download a photo of the I-Series 500/1000 Mass Flow Controllers, please go to the MKS web site:
<http://www.mksinst.com/photos>.

About MKS:

MKS Instruments, Inc. is a global provider of instruments, subsystems and process control solutions that measure, control, power, monitor and analyze critical parameters of advanced manufacturing processes to improve process performance and productivity. Our products are derived from our core competencies in pressure measurement and control, materials delivery, gas composition analysis, control and information technology, power and reactive gas generation, and vacuum technology. Our primary served markets are manufacturers of capital equipment for semiconductor devices, and for other thin film applications including flat panel displays, solar cells, light emitting diodes, data storage media, and other advanced coatings. We also leverage our technology in other markets with advanced manufacturing applications including medical equipment, pharmaceutical manufacturing, energy generation, and environmental monitoring.

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