

PRESS RELEASE



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FOR IMMEDIATE RELEASE

Mass Flow Sensors Establish New Performance Standards

PMF2000 Sensor Family Offers Linear Outputs with Expanded Flow Sensing Ranges

San Jose, CA May 31, 2012 – Posifa Microsystems, Inc., a leader in Advanced MEMS Sensor Development, today unveiled its new line of Low-flow Mass Air Flow Sensors. The PMF2000 family, which incorporates the latest MEMS and microelectronics innovations, eliminates the field failures associated with pressure shock, humidity and contamination that have for years plagued other manufacturers. By replacing the common “membrane-cavity” structure with a proprietary “solid-state” thermal isolation structure on the sensor die, Posifa’s sensors bring new levels of reliability to their customer’s applications. Additionally, the sensor die incorporates a pair of thermopiles surrounding a central heating element to detect changes in temperature gradient caused by mass flow, delivering ultra-high signal-to-noise, and unsurpassed repeatability.

By using a high-caliber internal microcontroller, the PMF2000 family delivers 2% full scale (max.) accuracy, linear output for each of their respective ranges of 10, 30, 200, 1,000 and 2,000 sccm (standard cubic centimeter per minute). This expanded set of ranges gives customers an ability to choose a range best suited to their application for improved overall performance.

The sensors are fully calibrated and compensated over the temperature range of 0°C to +50 °C. Offering a 4 volt linear output range (1 to 5 Vdc), the sensors provide better than 2% F.S. accuracy over the entire output range. The new line of Sensors also offer extremely high repeatability of less than 0.5% F.S. per year null drift, making field replacements a calibration-less task.

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The PMF2000 series can be found in numerous applications, including;

Medical respirators and ventilators
Patient monitoring systems
Anesthesia delivery machines
Nebulizers
Oxygen concentrators
Sleep apnea machines
Ventricular assistance devices
Environmental monitoring
Analytical instrumentation
Gas leak detection
Filter monitoring and VAV systems in HVAC
Process Control

Samples are available now and can be ordered directly from the Posifa Microsystems.

Web site, www.posifamicrosystems.com .

Product Photo available at:

http://www.posifamicrosystems.com/PMF2000_blue_back.jpg

About Posifa Microsystems, Inc.

Posifa Microsystems, Inc. headquartered in the heart of the Silicon Valley, provides advanced MEMS sensors, both in die and in packaged forms, to OEM customers worldwide. The former stealth-mode company spent years developing new and innovative sensor designs while refining manufacturing technologies that improve the performance of gas and liquid sensing elements. Posifa's efforts have resulted in the advancement of greater long-term stability and reliability of sensors, especially when applied in corrosive and caustic environments.

From design to final production, Posifa Microsystems, Inc. offers standard and custom sensor solutions for a wide variety of customers, providing cost effective, high performance sensor devices to meet their challenging design requirements. Posifa Microsystems, Inc is a privately held company with headquarters in San Jose, Calif. For more information, please visit www.posifamicrosystems.com.

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