



Opsens Launches New Miniature Pressure Sensor For Life Sciences & Medical Devices

OPP-M25 Is Industry's Smallest MEMS-based Optical Fiber Pressure Sensor

Quebec City (February 10, 2009) -- Opsens Inc. (TSX-V:OPS) today announced the launch of OPP-M25, the smallest micro-electrical-mechanical systems (MEMS)-based optical pressure sensor available to the life sciences and medical devices industry.

“Life Sciences is a core market for Opsens, and this new fiber optic sensor will further increase our market share,” said Pierre Carrier, President and CEO. “With this new product we have achieved a major reduction in size without any compromise on yield quality and performance.”

The new MEMS-based optical pressure sensor measures 0.25 mm OD, which is much smaller than 1 French (0.33 mm) on the catheter scale. The new offering delivers reliable and accurate pressure measurement in cardiovascular and other critical applications where miniaturization is key to product utility. Small size provides for less invasive catheterization practices, which enables new practices that were not possible with conventional blood pressure measurement systems.

Opsens' unique expertise provides the capabilities to develop state-of-the-art fiber optic sensing solutions for the medical industry. The company's ability to deliver new solutions has been repeatedly demonstrated to international partners with innovative and effective product formulations.

“Our new 0.25 mm fiber optic pressure sensor is a major R&D achievement,” said Claude Belleville, Vice President, Research and Development. “It offers the industry the much needed characteristics of repeatability, linearity, low hysteresis and high tolerance for temperature and moisture variations.” Some unique features of OPP-M25 are protected under patent pending.

“We are pleased to offer our OEM partners a great miniature pressure sensor in customizable, integration-ready packages,” said Yves Plamondon, Vice President, Sales and Marketing. “With these new packaged sensors, Opsens meets the needs of OEM manufacturers and accelerates their return on investment by reducing their R&D expenses and manufacturing costs.”

About Opsens

Opsens Inc. is a leading developer, manufacturer and supplier of a wide range of fiber optic sensors and associated signal conditioners based on proprietary patented and patent-pending technologies. Opsens sensors provide long-term accuracy and reliability in the harshest environments. Opsens provides sensors to measure pressure, temperature, strain and displacement to original equipment manufacturers (OEM) and end-users in the oil

and gas, medical, high-power transformers, and laboratory fields. Opsens provides complete technical support, including installation, training and after-sales service.

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