

FOR IMMEDIATE RELEASE

Process Scale Disposable Pressure Sensors to Compliment the Increased Use of Disposable Process Systems

Princeton, NJ (January 13, 2007) - There is an increasing trend in the biopharmaceutical manufacturing industry toward the use of disposables (e.g., flexible tubing and disposable bioprocess containers) in both clinical and commercial production to about the 1,000-L process scale. This combined with the fact that pressure is a critical process parameter to measure in many filtration and chromatography processes expresses the value of having a disposable pressure sensor compatible with the bioprocess assemblies comprised of bags, filters, tubing, and connectors. PendoTECH has introduced its line of Process Scale Disposable Pressure Sensors (patent pending) to address this market requirement.

In addition to eliminating the possibility of difficult or non-optimal connection of traditional pressure gauges, disposable sensors at process scale eliminates the requirements of parts cleaning, tracking, sanitization, and possible re-sterilization of reusable pressure measurement devices.

The pressure sensors feature an unobstructed flow path without dead-legs that minimizes pressure drops associated with some pressure measurement devices. They are available for tubing from inner diameter size 3/8 inch to 1 inch so they can handle flow rates up to 50 L/min.

They are manufactured in an FDA Registered, ISO 13485 certified facility and each sensor is tested in manufacturing to ensure it is with calibration and also is electrically tested and tested for leaks. All materials in the product fluid path meet USP Class VI requirements and the sensors arrive to the customer ready to use and with a certificate of quality. They have been qualified for compatibility with gamma sterilization up to 50 KGys.

The sensors connect via a 12 foot re-usable cable to PressureMAT™ or a PendoTECH Process Control System. The PressureMAT from PendoTECH can input up to four sensors for pressure reading display and has analog outputs to a control system and RS232 output to a PC and also alarm outputs. PendoTECH Process Control Systems for pressure measurement and control can be custom configured based on process requirements. The sensors can also be integrated into other pre-qualified 3rd party monitors

Applications include filtration, bioreactor pressure monitoring, and chromatography.

PendoTECH is committed to providing value-added products and services to companies in the biopharmaceutical industry for enhanced development and production of mainly cell culture derived products. As the number of biologicals produced by cell culture increases and the industry matures, new technologies and process approaches are available for comparison to the existing ones for evaluation of enhanced production output and reduced cost of goods. Visit: www.pendotech.com for more information.

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