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Sherborne Sensors Launches New DTI Series Digital Tilt Indicators

Converts Inclinometer Output to Display Angle, with a Resolution Down to 0.001°

December 23, 2009 - **Sherborne Sensors** (www.sherbornesensors.com), a global leader in the design and manufacture of inclinometers, accelerometers, force transducers, load cells, rotary encoders, instrumentation and accessories for industrial, military and aerospace customers, has announced the launch of the **DTI series**, a family of 5-digit, programmable digital panel meters, offering improved tilt measurement system versatility and performance.

The **DTI series** is designed to take an output from any **Sherborne Sensors** gravity referenced inclinometer, provide the necessary trigonometric conversions, and display the output as an angle, with a resolution down to 0.001°. For seamless interface with a data acquisition system, two supplementary outputs, an analog voltage output and a RS422/485 serial output, are supplied. The enclosure is manufactured from recyclable and flame retardant (VO) materials, with front panel conformance to IP65: NEMA 4.

Because of its versatility, the **DTI Series** can be effectively implemented into simple, measurement-only applications, as well as those requiring digital communications, alarms and mathematical functions. The powerful menu-driven software, also supplied, enables fast and flexible set-up from the front panel or via serial communications link. In addition, built-in, comprehensive alarm functions for the **DTI Series** makes them particularly suitable for monitoring, switching and control functions. The hysteresis facility prevents noisy signals from switching alarms erroneously, with high and low deviations facilitating control around a set point. On and off delay times can be set with individual alarms, configured as latching or non-latching, depending on user requirements.

The **DTI Series** is suitable for use with most **Sherborne Sensors** gravity-referenced inclinometers, as well as other manufacturers' products. An integral 12 VDC power supply is intended to provide excitation voltage for MEMS-based inclinometers. Bi-polar voltage supplied inclinometers may be also powered via **Sherborne Sensors XT-0102** or **XT-0103 series** power supply modules. For customer convenience, the **DTI Series** can also be supplied as a completely calibrated tilt monitoring system, including the inclinometer.

For additional details, drawings and specifications, please contact **Sherborne Sensors** toll-free (in the US & Canada) at (877) 486-1766 nasales@sherbornesensors.com or on +44 (0) 870 444 0728 sales@sherbornesensors.com (rest of world), or by visiting www.sherbornesensors.com.

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About Sherborne Sensors:

Sherborne Sensors is a global leader in the design, manufacture and supply of high-precision inclinometers, accelerometers, force transducers and load cells, rotary encoders, instrumentation and accessories for industrial, military and aerospace customers. Products offered under the Sherborne Sensors brand are renowned for their ultra-reliability and long-life precision within critical applications. Recent acquisition of synergistic technologies by Sherborne Sensors within our inclinometer and force and load cell offerings has allowed customers to benefit from expanded product lines, with added benefits of engineering support, global sales presence, repair, refurbishment and calibration services, stocking programs, and continuous product improvement.