



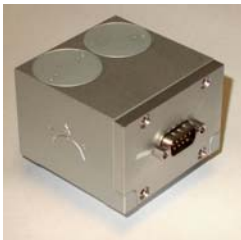
# Sherborne Sensors

Clearly the first choice for precision .....

## Precision Measurement News April 2009



### DSIC Digital Servo Inclinometer



Our DSIC servo inclinometer offers RS485 ASCII digital output with built in active temperature correction to offer unsurpassed **total accuracy** of 0.08° over a temperature range of -20 to +70°C. All of this combined with the ability to withstand 1,000g of mechanical shock makes the DSIC the inclinometer of choice for applications where accuracy of angular measurement and robustness are essential application requirements.

The high precision servo mechanism utilised in the DSIC exhibits almost zero hysteresis and contributes to a resolution of better than 0.001°. During factory calibration the DSIC is programmed with individual output characteristics over temperature to optimise the accuracy of each unit. To further suit customer specific application requirements the output bandwidth is user configurable up to 20Hz.

[DSIC Digital Servo Inclinometer](#)

### Sherborne Sensors' Facility Update

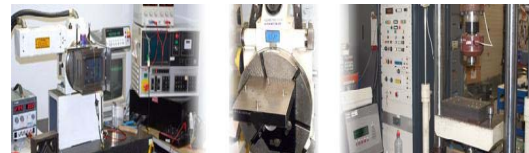
### In This Issue

[DSIC Digital Servo Inclinometer](#)

[Sherborne Sensor's Facility Update](#)

[Recalibration Services](#)

### Recalibration Services



Sherborne Sensors offers a comprehensive recalibration service for all kinds of Inclinometers, Accelerometers and Force Transducers within the ranges defined below:

#### Inclination

- $\pm 360^\circ$  to within 5 second of arc.

#### Acceleration

- Up to  $\pm 20g$  to within 0.001g depending on range.
- Calibrations up to  $\pm 1g$  are made using a precision rotary table.
- Calibrations over  $\pm 1g$  are made on a precision centrifuge.

#### Force

In order to address an ongoing expansion in our business, and to better position our Company for continued growth going forward, Sherborne Sensors has relocated to a newer and larger manufacturing and administrative facility. Although the location is less than a mile from our previous facility, it offers numerous improvements and opportunities, which we continue to leverage. The new facility is approximately 50% larger, with a more robust infrastructure, allowing for a revamping of our manufacturing process flow, to meet an increasing desire by customers to compare and evaluate our standard offerings, or investigate the development of customized solutions.

Sherborne Sensors is committed to a continued high level of customer service, sales support, and product innovation as our business grows. We look forward to having you visit our new location for a facility tour.

### [Sherborne Sensors' Facility Update](#)



BS EN 9001:2000  
Cert No: QEC26007



Quality Endorsed Company  
ISO 9001 QEC26007



## **Sherborne Sensors**

Email: [sales@sherbornesensors.com](mailto:sales@sherbornesensors.com)

Website: [www.sherbornesensors.com](http://www.sherbornesensors.com)

Tension and Compression 10 grams (0.35 oz) to 300 tonnes (660,000 lbf).

The recommended general recalibration period for sensors is 12 months. However, the factors that may suggest the need for more or less frequent recalibrations include:

- Environmental conditions
- Frequency/duration of use
- Level of accuracy required
- Importance of measurement data
- Company quality procedures
- International/national/local regulations

All transducers recalibrated at Sherborne Sensors are supplied with a calibration certificate and the equipment used is traceable to International Standards.

Transducers are often recalibrated with an accompanying indicator unit and, if requested, calibration certificates are provided showing before and after indicator adjustments. This ensures the transducer system is returned with the performance of the transducer system optimised with calibration data recorded before and after adjustment.

In cases after recalibration where the transducer is showing performance below its original specification a defect analysis report is issued highlighting the deviation and, where appropriate, a cost estimate to bring the unit's performance back to its original specification is provided.

### [Recalibration Services](#)

#### **Quick Links**

[Contact us](#)

[Request Data Sheets](#)

[Request for Quotation](#)



This email was sent to [sales@sherbornesensors.com](mailto:sales@sherbornesensors.com) by [sales@sherbornesensors.com](mailto:sales@sherbornesensors.com).  
Instant removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).

Sherborne Sensors Limited | Unit 1 | Ringway Centre | Edison Road | Basingstoke | Hampshire | RG21 6YH | United Kingdom