



Calibration Services

Data Sciences International provides high-accuracy measurement products. In order to maintain product accuracy, DSI hardware must be properly maintained and calibrated. DSI recommends that users calibrate their hardware annually; including signal conditioners, and amplifiers.

Calibration Certification

DSI provides Certificates of Calibration at the time of purchase for all DSI hardware. Calibration of hardware is valid for 1 year, upon which the user can return the hardware to DSI for re-calibration. The Calibration and Service Department at DSI will re-calibrate your DSI hardware to meet published product specifications. Calibrations will be NIST traceable and performed according to DSI's Quality System procedures. Upon calibration, DSI will provide a Certificate of Calibration for your quality records; re-calibration of DSI hardware will be warranted for a period of 1 year. Maintaining up-to-date calibrations will provide assurance that DSI hardware continues to provide accurate and reliable study data.

Calibration Intervals

The accuracy of electronic and mechanical components used in all hardware drifts over time. The effects of time in use as well as environmental

conditions may add to this drift - eventually, causing uncertainty in the product's ability to accurately measure. To align drift and continually ensure the accuracy of data, DSI recommends performing annual calibration on its DSI hardware.

GLP Users

Good Laboratory Practice (GLP), section 58.63*, requires that laboratories conduct routine maintenance and calibration of equipment used for GLP studies; maintenance and calibration of equipment must be conducted according to a set schedule. DSI recommends that Standard Operating Procedures (SOPs) include requirements for annual calibration of DSI hardware in order to comply with GLP regulations and ensure integrity of GLP data.

Authorized Calibration and Service Center

The DSI Calibration and Service Department is the only authorized calibration and service center for DSI hardware. Only DSI has the technical capability and tools required to calibrate and ensure that products meet published specifications.

* Good Laboratory Practices, Section 58.63 *Maintenance and Calibration of Equipment* [43 FR 60013, Dec. 22, 1978, as amended at 52 FR 33780, Sept. 4, 1987; 67 FR 9585, Mar. 4, 2002].

Section 58.63(a) "Equipment shall be adequately inspected, cleaned, and maintained. Equipment used for the generation, measurement, or assessment of data shall be adequately tested, calibrated and/or standardized.

Section 58.63(b) "The written standard operating procedures required under § 58.81(b)(11) shall set forth in sufficient detail the methods, materials, and schedules to be used in the routine inspection, cleaning, maintenance, testing, calibration, and/or standardization of equipment...".

Services and Calibration

Products Requiring Annual Calibration

ACQ-7700 Signal Conditioners/Amplifiers

- 7700 Chassis
- Universal signal conditioner
- Universal XE signal conditioner
- DCOM/BIO12 Pod
- Bridge signal conditioner
- Advanced Basic signal conditioner
- Transducer signal conditioner
- Carrier signal conditioner
- Isolated Defibrillation Protected ECG Probe

12 Lead ECG Amplifier

- ACQ-16
- 6600 Amplifiers
- AC/DC amplifier
- Differential Pressure
- Temperature
- Transducer
- Bioelectric
- ECG/Biotach

Note: This list may not necessarily reflect new products. If you do not know whether your product requires annual calibration, please contact Data Sciences International.

DSI PONEMAH Certificate of Calibration

Issued To: ABC Company Certificate # 0000

Calibration Date: January 1, 2006
Calibration Expiration Date: January 1, 2007

Calibration of Customer's use for 1 year. The customer is advised that any change of use may affect the results of calibration. Therefore, the manufacturer of the product and the user of the product should be consulted for any change of use. DSI, Enclosure, and Service Department is not responsible for the results of calibration. See the DSI/PONEMAH website for more information.

AS RECEIVED		AS RETURNED	
Net Applicable	<input type="checkbox"/>	Net Applicable	<input type="checkbox"/>
Net Specifications	<input type="checkbox"/>	Net Specifications	<input type="checkbox"/>
Out of Tolerance	<input type="checkbox"/>	Out of Tolerance	<input type="checkbox"/>
Net Function	<input type="checkbox"/>	Net Function	<input type="checkbox"/>

List of Product Callouts and Certified

Product Name	Serial #	Serial No.

Quality Statement

Data Sciences International certifies that the above products were calibrated and certified against their published specifications per ISO 9001:2000 quality procedures. Calibration of the Product by DSI/PONEMAH products were conducted in an ISO 9001:2000 environment and the standards used in calibrating and testing the materials are traceable to the National Institute of Standards and Technology as required by the Calibration System Requirements of ANSI/ISO/IEC 17025 and ISO 10129.

Data Sciences International, PONEMAH Operations, Valley View, OH has a registered Quality Management System per ISO 9001:2000 with OH, Inc. addition of CSA International Certificate # 002103.

DSI is the only authorized service center for calibrating and certifying DSI/PONEMAH products.

DSI products are not intended for the purposes of diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, or used as a life support device. Use of DSI products are solely for the purposes of conducting life science research.

