



Troemner's Pressure Calibration Service and the Benefits of its NVLAP Accreditation



You have trusted Henry Troemner, LLC. since 1840 for Precision Weights and Mass Calibration. Over the last decade, we have expanded our NVLAP accredited calibration disciplines to include Pipettes, Temperature, Humidity, Density Determination and Magnetic Susceptibility Determination. ISO 17025 compliant Thermal Mass Flow (Gas) and Electrical, Time and Frequency measurements are available as well. Now Henry Troemner, LLC. is introducing our NVLAP Accredited Pressure Calibration Service.

Troemner's NVLAP accredited Pressure Calibration Services include:

- Laboratory capabilities from 0 psi to 1000 psi.
- Gauges, Transducers, Calibrators, Monitors, Pressure Controllers, Deadweight Testers
- Absolute, Gauge and Differential modes
- Determination of Effective Area
- Mass Calibration
- Accuracy to .005% of reading

What sets Troemner apart?

- **Precision** – Our primary reference standard (PG7601) allows for a 4-1 tolerance to uncertainty ratio for all of your instruments. This allows us to discern the true performance of your instrument, thereby minimizing waste and errors in your processes.
- **Metrological Excellence** – Not only are we precise, we can prove it. Troemner's staff of metrologists continues to strive for measurement uncertainty levels that are second only to NIST.
- **Training** – Our team has been trained by the two leading manufacturers of Pressure Standards, DH Instruments and Ruska. This training includes pressure theory, metrology and calibration techniques.
- **Accreditation** – Independent, third party, NVLAP Accreditation to ISO 17025 assures that your instrument is calibrated to the highest quality standards possible.
- **Customer Service** – Our Inside Sales Representatives know who you are and how to handle all your documentation needs.

When a customer sends an instrument to Troemner for the NVLAP Pressure Calibration Service, they can feel assured that the entire process will reflect the commitment to quality and service that customers have come to expect from Troemner.

- Customers can contact Troemner via telephone, fax or internet to request a quote or place an order.
- Once an instrument is received for pressure calibration, it is written up and documented to ensure a chain of custody.
- In the Pressure Laboratory, where environmental conditions are strictly maintained and calibrated instruments are utilized, your pressure device is checked via a multimeter and/or a piston gauge deadweight tester.
- Troemner calibrates the weights used on the deadweight tester in Troemner's state of the art mass laboratory. Therefore, you can be assured that the equipment is calibrated to known standards traceable to NIST.
- Following manufacturer's specifications, your device is calibrated manually or through communication (pc for example) per your specific needs.
- Troemner offers four levels of pressure calibration service depending on your needs. For example, 21 "as found" and 21 "as left" data points are offered as one service level. Based on your request, Troemner performs the final verification of your device.
- **Troemner's NVLAP Pressure Calibration Certificate is generated**– This is a detailed, multi-page pressure certificate available to meet all your ISO (including ISO/IEC 17025), FDA, GMP, GLP, DOD, NCCLA, CLIA, ANSI/NCSL Z540-1 and Nuclear requirements. Certificate includes "as found" and "as left" data for: Reference Pressure, Device Under Test Pressure, Absolute Error, and Tolerance. In addition, deadweight tester certificates include mass calibration data for the deadweights. This NVLAP certificate really sets Troemner apart in offering its customers the most comprehensive calibration for your pressure device.
- Customers who use the same DHI software that Troemner is using can receive an electronic file of the certificate to "merge" with their database and eliminate possible transportation errors from reading a certificate and having to update software databases manually. This is another advantage that Troemner can offer to its customers.
- Troemner can **customize** a calibration or certificate to meet your specific needs as well. Information can be added to certificates depending on customer needs and requests. In addition to the NVLAP certificate, there are other levels of service and certification available.
- Once your pressure device has been calibrated and certified, it is shipped back to you with the appropriate documentation. The NVLAP certificate gives you the confidence that your device meets all necessary requirements (ISO, FDA, etc). **The turnaround time for this service is one to two weeks.**

In addition to its Pressure Calibration Service, Troemner is NVLAP accredited in Mass, Mass Magnetic Susceptibility Determination, Mass Density Determination, Temperature, Humidity and Pipette Calibration Services. Thermal Mass Flow and Electrical, Time and Frequency Calibration Services are also available. Troemner has really set itself apart by

offering these NVLAP accredited services to its customers. Troemner's commitment to quality and service for its customers is apparent in every aspect of the Calibration Laboratory's operations. From state-of-the-art equipment in the laboratory, to manufacturer trained technicians and metrologists, to a focus on continually achieving NVLAP accreditation for all calibration disciplines, Troemner continues to be the industry leader for weights and calibration services.

For more information visit our website at www.troemner.com/pressure or contact us at 1.800.352.7718.



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