

NIST / NVLAP ACCREDITED  
 three levels of service

# MASS CALIBRATION

 TRACEABLE • WEIGHT CALIBRATION  
**UltraClass**

## A world leader since 1838

Troemner is a leading supplier of precision weights and calibration services. State of the art calibration laboratories and a highly trained staff assures that Troemner meets or exceeds the highest tolerance standards of the National Institute of Standards & Technology (NIST), the American Society for Testing & Materials (ASTM), and the International Organization of Legal Metrology (OIML).



World Class Laboratories

- **Accreditations:** ISO 9001, ISO/IEC 17025, NIST/NVLAP and UKAS
- **Comprehensive selection of precision weights**
- **Mass services**
  - Accredited for 1mg to 1000lbs, capabilities: 0.050mg to 5000lbs
  - Repair/replacement
  - Adjustment back into tolerance
  - Certification - NIST/NVLAP, UKAS, NIST Traceable
  - Density determinations - NIST/NVLAP, 1g to 5kg
  - Magnetic susceptibility determinations, NIST/NVLAP
  - Storage case replacement
  - Calibration management program

### MASS CALIBRATION SERVICES

	UltraClass Calibration	Traceable Calibration
Level 1 certification laboratory	✓	✓
Controlled environment	✓	✓
Turn-around time	2 weeks	2 weeks
Serial number of the weight(s) or set	✓	✓
"As left" data	✓	✓
NIST-traceable calibration	✓	✓
Listing of nominal mass and correction for each weight	✓	✓
One series of comparisons using a single standard		✓
3-in-1 weighing design using a check standard	✓	
"As found" data (for recalibration)	✓	
NVLAP or UKAS certification available	✓	
Uncertainty data	✓	
The true mass value (mass in a vacuum)	✓	



Accredited by the National Voluntary  
 Laboratory Accreditation Program for  
 the specific scope of Accreditation  
 under Lab Code 105013


 offering high precision  
 Mass Calibration Service

# TROEMNER

Raising the Standard since 1838

**A** world leader in the measurement and calibration industry, Troemner provides an extensive selection of precision weights, mass standards and calibration services. For over 160 years Troemner has provided precision products and services of the highest quality.

## State of the art technology

Troemner maintains one of the largest and most advanced independent metrology laboratories in the world utilizing the latest calibration equipment with a highly trained staff of metrologists and technicians.

## Commitment to the highest standards

Third party accreditations by internationally recognized organizations provide regular unbiased assessments of Troemner's quality programs and technical capabilities. Troemner meets and maintains the most rigorous testing and manufacturing standards including ISO 9001, ISO/IEC 17025, ANSI/NCSL Z540 and has achieved accreditation in various disciplines from NVLAP and UKAS.

## Unsurpassed service

Troemner offers a wide range of standard and custom services and products to meet virtually any customer need or regulatory requirement.

## Additional precision products and calibration services from Troemner

### Pipette calibration

- Services include repair, calibration and certification of pipettes regardless of manufacturer.
- The only independent laboratory accredited by NIST/NVLAP for pipette calibrations.
- We can meet your most stringent requirements including: GLP, GMP, FDA, ISO, NCCLS, CAP and CLIA.

### Precision weights and mass standards

- Largest selection of precision weights in standard configurations including: Analytical, OIML, Cast Iron and Brass.
- Custom weights are a Troemner specialty.

### Temperature calibration

- Services include fixed-point and comparison calibrations.
- Utilizes the latest equipment providing the lowest uncertainties in the market place.
- Laboratory is ISO/IEC 17025 compliant; application for NVLAP accreditation has been made.

### Thermal mass flow calibration

- Services include repair, resizing, calibration and certification services for flow meters and controllers.
- Factory trained technicians.
- Utilizes state of the art laminar flow technology for high precision.
- Laboratory is ISO/IEC 17025 compliant; application for NVLAP accreditation has been made.

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Coming soon ... Pressure and humidity calibration services

**TROEMNER**

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