



alcami.[®]

Pharma Storage
& Services

Metrology & Calibration:

Precision You Can Trust

Whether you are a start-up or market leader, we understand the critical work of life sciences companies and that **accurate measurements** and **minimal downtime** are paramount to the development and manufacturing of life-saving products.

We demand the best of our equipment, processes, and people to calibrate your equipment and devices with the **utmost precision**. All work is completed within your exact specifications and fully documented with SI traceable calibration certificates.



Primary standards calibration

Calibration using our primary standards is the heart of our calibration laboratory. All calibrations are performed in our **ISO 17025:2017**, **NCSL Z540-1**, and **NCSL Z540.3** accredited 10,000 ft² environmentally controlled metrology laboratory, maintained at 23°C ± 3°C to ensure accurate and repeatable results. Our NIST-trained staff calibrate your primary standards using certified fixed-point cells for maximum accuracy, repeatability, and the lowest uncertainties.

We are one of the only laboratories in the Northeast with a **seismically isolated floor** in our mass lab—providing a uniquely stable environment that minimizes vibrational interference and enhances calibration precision.

We are also one of a select number of metrology laboratories in North America that meets the rigorous qualifications for accreditation to ISO 17025:2017, NCSL Z540-1, and NCSL Z540.3. In addition, we meet or exceed the requirements of FDA 21 CFR Part 11, 21 CFR 114.80, 21 CFR 211.68, and 21 CFR 820.72, NRC 10 CFR Part 21, and 10 CFR Part 50 Appendix B.

Our capabilities include:

Calibration Services

- | | | |
|--------------------------------|--------------------|--------------------|
| • Primary Standards | • Datalogger | • Dimensional |
| • Temperature | • Validator | • Force/Mechanical |
| • Mass Standards & Lab Weights | • Time & Frequency | • Light Meters |
| • Relative Humidity | • Electrical | • Chemical |
| | • Pressure | • Gas detectors |

Talk to us.

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Devices Calibrated

Mass

Class 1 Mass calibrations, the only lab in the Northeast capable of accredited Class 1 Mass Calibrations from 1 mg to 30 kg

- Balances
- Scales
- Weights:
- Commercial Weights (Class 5 to 7, and NIST Class F)
- High-Precision Weights (Class 3-4)
- Standard Weights (Class 0-2)

Gas Detectors

- CO₂ Sensors
- O₂
- LEL
- CO
- H₂O₂
- SO₂
- 2S

Gas Flowmeters

- 300 LPM
- Flow Meters
- Mass Flow Controllers
- Rotameters

Electrical

- 8.5-digit Multimeters
- Bench Meters
- Dataloggers
- Electrical Test Equipment
- Handheld Meters
- Hi-Pot Testers
- Insulation Meters
- Multimeters
- Oscilloscopes
- Power Analyzers
- Power Supplies
- Process Calibrators
- Recorders
- Shunts
- Stopwatch/Timers
- Voltage Meters
- Welders
- Wireless Dataloggers

Humidity

- Dataloggers
- Dew Point Meters
- Humidity Generators
- Humidity Sensors
- Humidity Standards
- Hygrometers

Validators

- Validation Systems
- Kaye V2000
- Kaye AVS
- Kaye LTR/HTR drywell
- Kaye IRTD

Thermometry

Fixed-Point Thermometry, capable of SPRT calibration from -196 °C to 660 °C

- Dataloggers
- Infrared Thermometers
- IRTDs
- Metrology wells
- PRTs
- Recorders
- RTDs
- SPRTs
- Super-thermometers
- Temperature Baths (9190/LTR/HTR/CTR)
- Temperature Readouts
- Temperature Standards
- Thermistors
- Thermocouples
- Thermometers
- Wireless Dataloggers

Dimensional

- Bore Gages
- Calipers
- Crimpers
- Dial/Drop/Test Indicators
- Feeler Gauges
- Gauge Balls/Spheres
- Geometric Dimensioning & Tolerancing
- Height Gauges
- Indicator Testers
- Levels & Protractors
- Linear Variable
- Displacement
- Transformers (LVDT)
- Micrometers
- Profilometers
- Parallels &
- Straight-edges
- Pin/Plug Gauges
- Roughness Patches
- Rulers & Tape Measures
- Squares
- Thread Plugs &
- Thread Rings

Force

- Force gauges
- (from 0 to 100 lbf)
- Load Cells

Pressure

Pressure up to 1,000 psia/g. With Fluke's PG primary deadweight tester, we're capable of measuring pressure within <0.002%

- Barometers
- Pressure Standards
- Pressure Gauges
- Pressure Sensors
- Recorders
- Vacuum Pumps
- Wireless Dataloggers

Life Science

- Autoclaves
- Bioreactors
- Centrifuges
- Chambers
- Freezers
- Humidity Chambers
- Incubators
- Lyophilizers
- Shakers
- Sterilizers
- Stirrers
- Syringe Pumps
- Viscometers

Process Instrumentation

- Chart Recorders
- Controllers
- Level sensors
- Pressure & Temperature
- Switches
- Transmitters

Torque

- Bottle Cap Torque Testers
- Torque screwdrivers (from 15 ozf-in to 250 ft-lbf)
- Transducers
- Torque Testers
- Torque wrenches (from 5 in-lbf to 250 ft-lbf)

Light Meters



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Drug Product Manufacturing
Laboratory Services
Pharma Storage & Services

Charleston, SC • Wilmington, NC
RTP, NC • The Netherlands, Europe
Clinton, TN • St Louis, MO
New England • Reno, NV