NIST Traceable Calibrations

Our laboratories are fully equipped to perform NIST traceable flow calibrations for Rotameters, Mass Flow instruments and many other flow products.

We also offer calibration services on equipment and instrumentation of other manufacturers' products. Our technicians are trained and certified and our Laboratory is equipped to calibrate Molboxes. In addition, our laboratory can calibrate NIST traceable approved "In-House" equipment to certify our primary calibration devices. We also calibrate and certify customers' Molboxes. For fast cost effective service please contact our customer service department.

Compliance Qualifications

Extensive set of Molbox/Molblocs ensure conveniently overlapping calibration ranges.

- ANSI/NCSL Z540-1-1994
- ISO9001/2008 CERTIFIED
- MIL-STD-456624A

ISO/IEC17025 general requirements for the competence of testing and calibration laboratories.

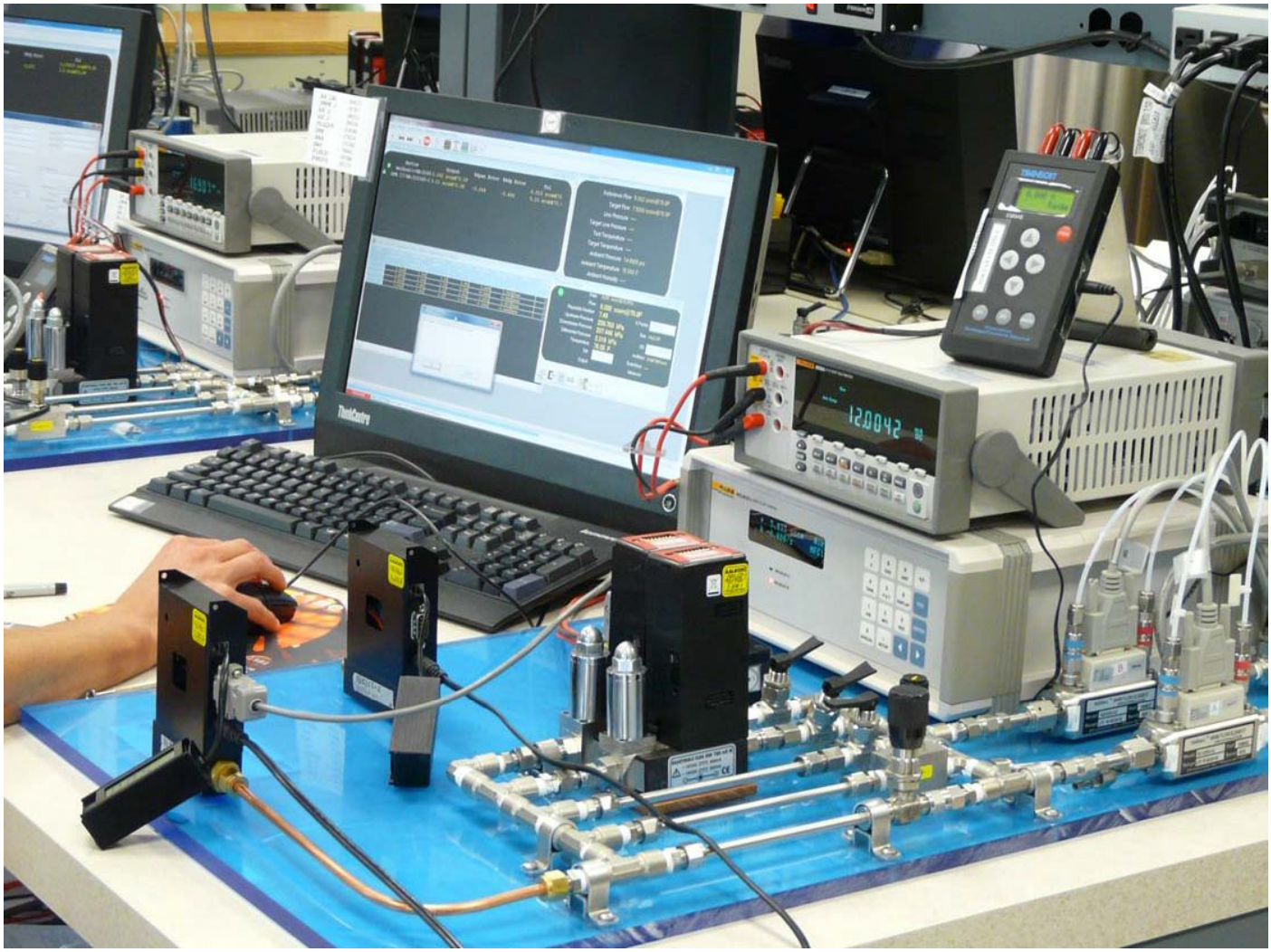
Partial view of the gas calibration laboratory.

Technicians calibrating Mass Flow Controllers using Bell Provers and Molbox/Molblocs technology.

www.aalborg.com - e-mail ✉ info@aalborg.com - ☎ 845.770.3000 - fax 845.770.3010 - Toll Free in U.S.A. and Canada 1.800.866.3837

BULLETIN EM201208 CAL

Close-up view of Molbox/Molblocs equipment supported by COMPASS software for calibrating GFM flow meters.



Link for an explanation how to use Molbox/Molblocs method of calibrations of flow meters and controllers.

http://www.youtube.com/watch?v=FVDqrW5y70A

Pressure Limits Of Calibrations

Up to 500 PSIG for routine gases (Air, N2, He and Ar) with a maximum flow of 250 L/min. Up to 80 PSIG for Air, with a maximum flow of 1000 L/min.

- Calibrations are performed at standard (STP) conditions (70 °F/21.1 °C and 14.7 psia/1 atm abs).
- Gas calibrations for up to 1000 L/min and water calibrations up to 4 L/min available.
- Calibrated to NIST traceable standards.

Bell prover used by technician in calibrating high flow capacity flow meter.

Terminal shown for low-flow Flow Controller calibration supported by Aalborg SDPROC software.

Piston Gauge, model 7601 with gas operated, gas lubricated piston-cylinder module. It supports definition of pressure against a vacuum reference.

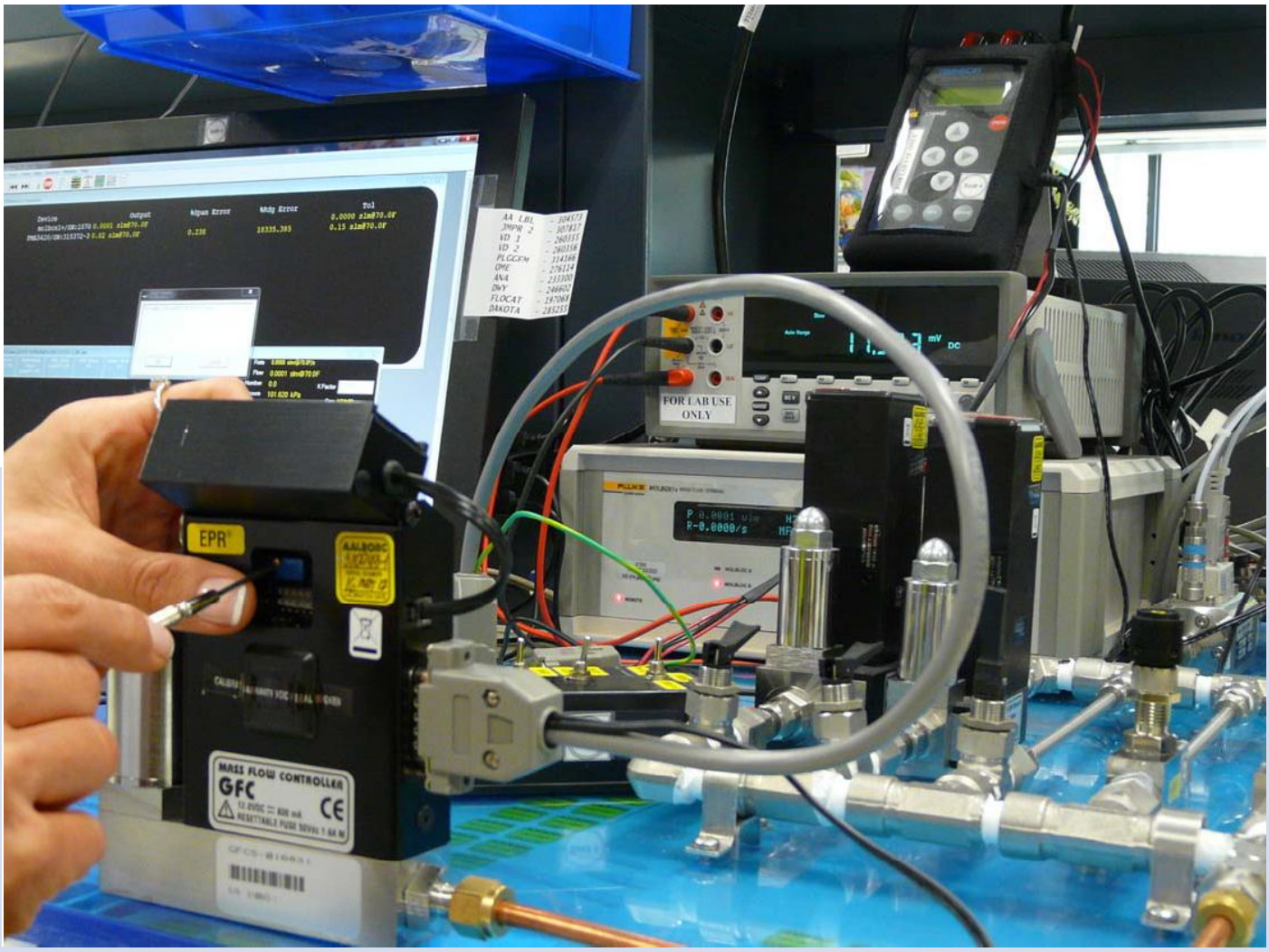
OPERATING MODES: Gauge, Absolute and Differential.

OVERALL SPECIFICATION FOR PRESSURE MEASUREMENT:

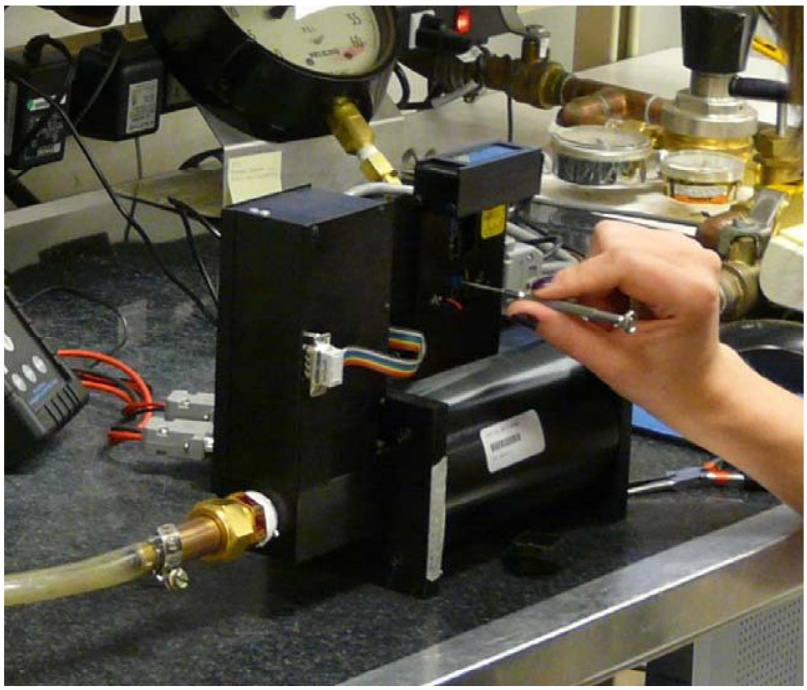
Sensitivity: 0.02Pa +0.5 ppm
Reproducibility: +/-4 ppm
Measurement Uncertainty (k=2): +/-(0.5Pa + 20 ppm)

SUITABLE FOR MOLBOX 1+ A350/A700

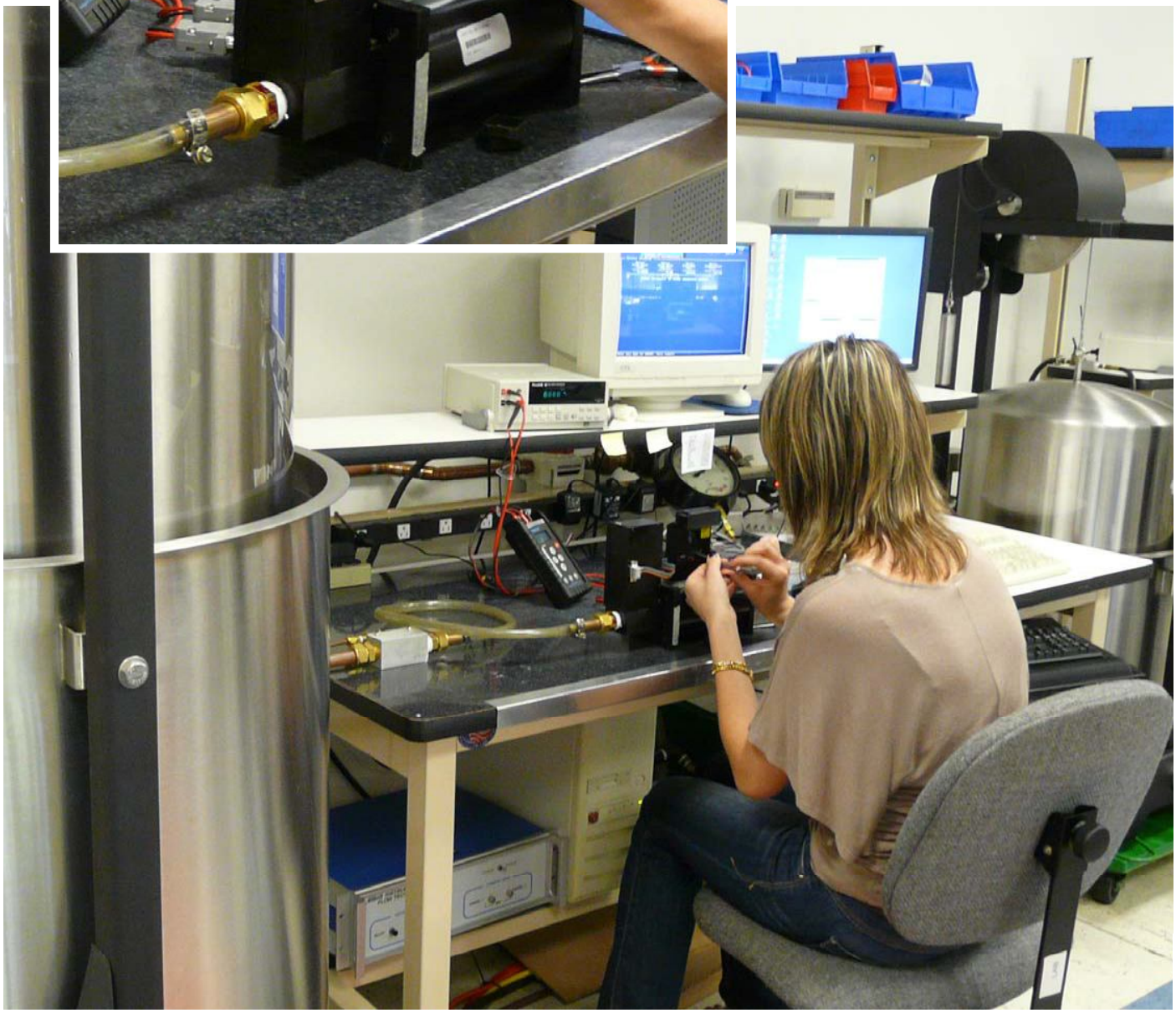
Our gas calibration laboratory has NIST traceable approved in-house equipment to certify our calibration devices. Molbox/Molblocs based calibration for GFC Flow Controller.



Close-up view of NIST traceable calibration of Flow Controller.



Gas flow calibration laboratory is capable of performing calibrations from 1 mL/min to 1000 L/min at 21.1 °C /101.325 kPa (70 °F, 14.69 PSI abs).



According to A2LA accreditation and NAVLP compliance principles calibrations are performed based on 4 to 1 uncertainty ratio.

Specialized software applied to calibration of Flow Meter.

ASIAN SERVICE FACILITY

Authorized Repair and Service Facility
for Aalborg Thermal Mass Flow Systems

AALBORG - Beijing Comity
MEASURE & CONTROL CO.

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Phone: 86-10-6295-0464, 86-10-6295-0465
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EUROPEAN SERVICE FACILITY

Authorized Repair and Service Facility
for Aalborg Thermal Mass Flow Systems

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Typical Bell Prover
used for NIST traceable calibrations

**SGS ISO9001 Certification is not applicable.*