



Static Pressure Measurement Training

Five-day lecture and laboratory training program

Principles and practices used in calibration of pressure standards and measuring instruments

Designed for metrologists, laboratory and quality assurance technicians, supervisors and engineers

For gaining or refining technical skills

Provides the pressure measurement training necessary for compliance with ISO and ANSI standards for quality control and laboratory accreditation



About the Seminar

This lecture and laboratory course is designed for metrologists, laboratory and quality assurance technicians, supervisors, engineers, and others interested in the basic principles of static pressure measurement. Primary emphasis is placed on the principles and practices used in the calibration of pressure standards and measuring instruments including piston gauges, digital pressure controllers, and other elastic transducers. This five-day exercise includes lecture and discussion on pressure measurement techniques, and numerous hands-on projects. The group projects include both hydraulic and pneumatic pressure measurements, and formal calibrations from less than 0.002 psi (0.1 mbar) absolute to approximately 10,000 psi (700 bar) in gauge mode.

Seminar Projects/Exercises

Seminar attendees participate in the following exercises:

- Laboratory piston gauge crossfloat with less than one part per million (ppm) performance
- Industrial piston gauge crossfloat

- Hydraulic bourdon tube dial gauge calibrated directly with hydraulic piston gauge
- Gas bourdon tube dial gauge calibrated using hydraulic piston gauge and 5 ppm liquid-gas separator
- High-pressure absolute transducer calibration using hydraulic piston gauge and barometer
- High-precision transducer calibration using gas piston gauge
- Subatmospheric absolute transducer calibration using gas piston gauge and reference pressure monitor

Also covered in this seminar:

- Maintenance procedures for laboratory piston gauges
- Calibration system error analysis and completion of calibration reports

This seminar provides the pressure measurement training necessary for compliance with ISO and ANSI standards for quality control and laboratory accreditation.



Who Should Attend

The static pressure measurement seminar is ideal for anyone interested in gaining or refining technical skills related to performing pressure calibrations or maintaining a quality assurance program. Metrologists, laboratory and quality assurance technicians, supervisors, engineers, and other static pressure measurement professionals should attend.

Class Schedule

For a complete class schedule or registration information, see our contact information below. We'll provide you with complete details.

About GE Sensing

GE Sensing offers the Static Pressure Measurement Training course at its Houston, Texas, facility where the Ruska product line of precision laboratory instrumentation has been manufactured since 1944. GE is the leading producer of primary and secondary pressure standards for use in government and industry metrology laboratories and production facilities worldwide.

Other Products and Services

GE manufactures a range of piston gauges for pressures from 0.1 psi (7 mbar) to 72,500 psi (5000 bar), digital pressure controllers from 1 psi (0.07 bar) to 40,000 psi (2750 bar), air data test sets, and portable pressure indicators. GE also offers mass-sorption systems (McBain-Bakr apparatus) and custom quartz component design and manufacturing. Repair and recalibration services are available to support our equipment worldwide. Regular training courses are held in Houston, Texas, for the entire Ruska product line.

