

Air Monitoring & Gas Detection Syllabus

Course Title:	Air Monitoring and Gas Detection
Regulatory & Technical Reference:	CFR Title 29, 1910.146 – Permit required confined space CFR Title 29, 1910.146 App B – Procedures for Atmospheric Testing Industry best practices and manufactures recommendations
Target Groups:	Workers requiring compliance with OSHA and BSEE air testing procedures required for confined space and hot work procedures.
Prerequisites:	NONE:
Objective:	Upon completion of this course the student should be familiar with: <ul style="list-style-type: none">• Purpose of atmospheric testing (hazard evaluation & determination of entry conditions)• Associated terminology, definitions, and atmospheric hazard limits• Basic testing methods for direct reading multi-gas personal detector• Testing order (O₂, LEL, other) and duration of testing• Stratified atmospheres• Bump test, function test and calibration (manufacturer's requirements)• Demonstration of bump test, operation and reading of multi-gas personal detector
Course Design:	Course is designed in accordance with 29 CFR 1910.146 Appendix B, Procedures for Atmospheric Testing. Includes demonstration of multi-gas detector operation, bump test & reading displayed information
Completion Requirements:	Student must pass written closed book examination with a score of 70% or better.
Course Length:	2 hours
Class Size:	1-20