



## **Repairing Instruments Training and Education Class** **one day recertification Class**

### **Introduction**

- Instructor and student welcome and introductions
- Safety review
- MSA overview
- Course administration
- Review of RITE handout

### **Basic requirements**

- Legal and minimum requirements for repairing meters
- Calibration gas requirements
- Sensor date code and software revision code discussion
- ESD (Electro-static Discharge)
- Gas interferences and combustible gas factors.

### **Sensor Theory Review**

- Electro-chemical
- Catalytic bead with demonstration of exploding gases
- Infrared
- Photo Ionization

### **Altair Review**

- Overview of current models
- Zero and calibration review
- Common problems and repair

### **Altair Pro & 2X Review**

- Overview of models
- Zero and calibration review
- Disassembly, inspection and function of specific parts with reassembly and functional check.
- Common problems and repair

### **Altair 4X Review**

- Operational review with setup mode (MSA Link)
- Zero and calibration review
- Disassembly, inspection and function of specific parts with reassembly and functional check.
- Common problems and repair

### **Altair 5X Review**

- Operational review
- Zero and calibration review
- Disassembly, inspection and function of specific parts with reassembly and functional check.
- Common problems and repair

### **GX2 Calibration Station Review**

- Operational review with setup mode (MSA Link Pro)
- Disassembly, inspection and function of specific parts with reassembly and functional check.
- Common problems and repair

- **Open book/open note evaluation**
- Complete course evaluation final administration and wrap up