

CUSTOMIZE YOUR CLASS

Please let us know what additional topics you wish included in your class, so we can completely address your Ecotec E3000 Leak Detection requirements. (For example, you would like advice on how to select the values in addition to programming the settings.) We must receive your requests 3 weeks prior to the training, so we can prepare your workbooks. Please be advised that additional topics could extend the time required for the class and that additional charges may apply. We will advise you of timing and costs based on your specifications.

PRICE

1 Day\$ 3,500.00
 Additional Day (back-to-back)\$2,000.00

Price includes:

instructor travel, per diem & training class kit

- Registration form is required 4 weeks prior to the start of class.
- Purchase orders must be received 2 weeks prior to the start of class.
- A 25% fee is assessed for cancelling less than 5 business days prior to scheduled class.
- Written quotation available upon request.

REGISTER

For more information, to sign-up for a class, or to receive terms and conditions:

phone **1.315.434.2518**
 or
 email **reachus@inficon.com**
and put "Ecotec training"
in the subject line

SERVICE TRAINING

Ecotec® E3000
 Multi-gas Leak Detector



I. INTRODUCTION TO ECOTEC E3000 MULTI-GAS LEAK DETECTION

Theory, Operation, Setup, Preventive Maintenance

Introduction

- leak detection methods
- using refrigerant gas as a leak detection gas
- fundamental concept of sniffing
- how the Ecotec E3000 works
- examination of the leak rate
- calibration
- Transpector® partial pressure sensor

Functional Description

- theory of operation
- vacuum diagram
- components, power supply, cpu, pumps, etc.

Operation

- video illustration
- hands-on operation

Ecotec E3000 Setup For Your Application

- introduction to the technical manual/spare parts list
- setting confirmation via reports
- how to program the settings:
 - selecting gases
 - editing gas parameters
 - removing/ adding a working gas
 - trigger values
 - leak rate units
 - zero, zero time
 - flow limits
 - change menu PIN
 - audio functions
 - display settings
 - I•Guide™ setup/editing (if used)
 - interface setup (if used)
 - RS232 protocol (if used)
 - miscellaneous settings

Ecotec E3000 Accuracy Optimizing Functions

- how to calibrate
- how to proof calibrate

Maintenance

- how to replace sniffer tip filters <felt, sintered> and determine if re-calibration is needed
- how to clean the probe
- main unit exterior filter exchange
- main unit interior filter (Thomapor) exchange
- how to replace the TMP lubricant reservoir
- how to replace the ECO-Check gas reservoir

Using Stored History Lists to Analyze Ecotec E3000 Performance

- error list
- calibration history

ABOUT THIS CLASS

- 4 hour class
- customer provides leak detector and basic tools
- training certificates awarded at completion
- 6 students per class
- 6 training manuals included

II. ADVANCED UPTIME TECHNIQUES FOR ECOTEC E3000

Troubleshooting, Error Simulations and Solutions, Teardown, Reassembly and Alignment

Use Of Troubleshooting / Repair Manuals

- error and warning messages in format
- code description
- recommended actions
- repair instructions
- fuse locations

Field Service Troubleshooting

- service experience

Error Simulations and Solutions

- Ecotec E3000 provided with multiple, prearranged conditions, that will generate error codes.
- service personnel will diagnose, repair, or correct the Ecotec E3000 trainer unit
- discussion of the error code generation, isolation, cause and effect

Teardown

- disassemble to component level
- diaphragm pump rebuild
- reassembly procedure
- filament replacement

Alignment of the Ecotec E3000

- pressure
- flow

Confirm Performance and Setting

- calibration
- information pages

ABOUT THIS CLASS

- 4 hour class
- INFICON Ecotec E3000 will be provided
- training certificates awarded at completion
- 6 students per class
- includes all training materials:
 - 1 Pilot® gauge with fittings; 6 training manuals;
 - diaphragm pump shims; 1 flow standard;
 - 6 tweakers; 6 chip extractors