

### **CUSTOMIZE YOUR CLASS**

*Please let us know what additional topics you wish included in your class, so we can completely address your HLD5000 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**

Please contact your local sales office for price and additional information.

### **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 "HLD5000 training"  
in the subject line

# SERVICE TRAINING

**HLD5000**  
Refrigerant Sniffer Leak Detector



## I. INTRODUCTION TO HLD5000 REFRIGERANT SNIFFER LEAK DETECTION

### Theory, Operation, Hands-on Training

#### Introduction

- leak detection techniques
- sniffer method
- fundamental concept of sniffing
- how the HLD5000 works
- infrared detection sensor

#### Functional Description

- HLD5000 main unit
- HLD5000 sniffer probe

#### Operation

- starting up the instrument
- verifying a calibration
- calibrating the unit
- selecting a gas type (HLD5000 Smart only)
- setting trigger levels
- setting a search level
- how to search for leaks

#### Hands-on Session

- starting up the instrument
- verifying a calibration
- calibrating the unit
- selecting a gas type
- setting trigger levels
- setting a search level
- how to replace the sniffer tip filters
- miscellaneous

#### Accessories

- using the extension / box tip (if applicable)
- using the water protection tip (if applicable)

## ABOUT THIS CLASS

- 2 hour class given up to 3 times per day
- 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 HLD5000

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

#### Use Of Troubleshooting / Repair Manuals

- how to clean the probe
- how to replace the silicon “Snake Eye” filter
- how to replace the calibrated leak COOL-CHECK™
- how to replace the main unit bottom filters

#### HLD5000 Setup For Your Application

- introduction to the technical manual
- review and program the HLD5000 to your application
  - trigger values
  - gas type (HLD5000 Smart probe only)
  - button function
  - unit of measure
  - options
  - auto standby
  - review INFO key
  - main unit
  - probe
  - calibration
  - test leak
  - info

#### Introduction to the Spare Parts List

- review the spare parts requirements

#### Introduction to the Interface Description (if applicable)

#### Use of Troubleshooting / Repair Manuals

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

#### Troubleshooting and Repair Lessons Learned

- service experience

#### Error Simulations and Solutions

- HLD5000 provided with multiple, prearranged conditions, that will generate error codes.
- service personnel will diagnose, repair, or correct the HLD5000 trainer probe
- discussion of the error code generation, isolation, cause and effect

#### Teardown

- disassembly of main unit
- disassembly of probe
- reassembly procedures

## ABOUT THIS CLASS

- 6 hour class
- INFICON HLD5000 will be provided
- training certificates awarded at completion
- 6 students per class
- includes all training materials:  
6 training manuals; 6 chip extractors