# H-10 Pro — The Best Refrigerant Leak Detector on the Market!



## Why the H-10 Pro is the Best!

- Ultra-sensitive refrigerant leak detector using patented heated diode sensor technology
- Detects all CFC, HFC, and HCFC refrigerants
- Also detects HFO1234yf and HFO1234ze<sup>[1]</sup>
- Quick 1 second (or less) response time
- Manual and automatic operation modes
- Audible (internal speaker) and visual leak indicators with option to use headphones
- Pinpoints small, medium and large leaks
- Sensor calibration system to ensure proper operation

## **Target End-Users**

- HVAC contractors
- Facilities managers
- Building maintenance crews
- Automotive shops/garages
- Refrigeration engineers/technicians

#### **Heated Diode Sensor**

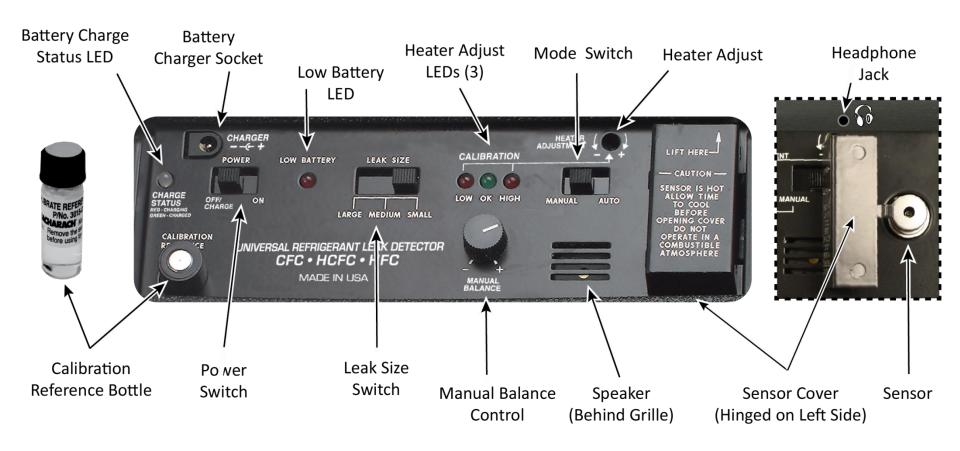
- Heated diode sensor characteristics
  - Excellent sensitivity to a variety of refrigerants
  - Low cost compared to other sensor technologies
  - Good lifetime (1 year or more)<sup>[1]</sup>
  - Can be destroyed by exposing to very high concentrations of gas

<sup>[1]</sup> Based on normal use

## **Specifications**

| Item                                 | Description   |  |
|--------------------------------------|---|--|
| Power                                | Internal 12 VDC lead acid battery or 100-240 VAC via wall adapter |  |
| Refrigerants detected <sup>[1]</sup> | All CFCs, HFCs, and HCFCs; HFO1234yf and HFO1234ze (pending)      |  |
| Sensitivity <sup>[2]</sup>           | 0.006 oz/yr (stationary); 0.1 oz/yr (moving per SAE J2791)        |  |
| Response time                        | 1 second  |  |
| Battery life                         | 3-3.5 hours (approximate, with fully-charged battery)             |  |
| Probe                                | 4.5 ft. (1.4 m) long with built-in filter and LED indicator       |  |
| Operation Modes                      | Auto (automatic background zeroing) and manual                    |  |
| Warm-up                              | 2 minutes (typical)   |  |
| Leak indication                      | Visual (red LED) and audible (internal speaker or via headphones) |  |
| Warranty                             | 3 years   |  |

### **Control Panel**



#### H-10 Pro Kit

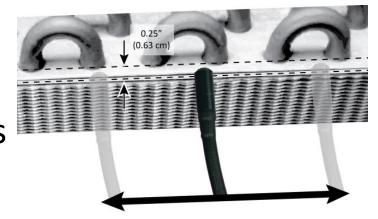
| P/N   | Description  |
|-------|--------------|
| 25301 | H-10 Pro kit |

#### • Kit includes:

- H-10 Pro leak detector
- Calibration reference bottle
- Wall adapter with N. American plug
- Shoulder strap
- Maintenance kit (12 probe tip filters, 3 airflow balls)
- User manual

## **Application – Finding Leaks**

- Allow instrument sufficient warm-up time
- Ensure instrument is configured correctly (i.e. sensitivity/leak size setting) and is operating (i.e. calibration test)
- Start checking high-probability areas, including:
  - Joints/fittings (elbows, couplings, reducers, flanges, etc)
  - U-tubes/condensers
  - Compressor seals
  - Valves
- Be methodical check all areas



## **Tips on Leak Detection**

- The first leak is not necessarily the only leak
- Soapy water test isn't a good solution to looking for leaks (it doesn't catch everything!)
- Clear the target area with shop air before looking for small leaks, especially if a large leak was present (and corrected)
- Keep probe filter clean and watch out for moisture (don't allow water into the instrument)
- Remember if using the automatic mode, the unit will selfadjust after approximately 5 seconds in a contaminated atmosphere

## **Summary of Features & Benefits**

| Feature                        | Benefit  |
|--------------------------------|--|
| Detects all refrigerants       | Use for everything from R12 and R22 to R410a and R507                          |
| Ultra-sensitive, fast response | Quickly finds even the smallest leaks of the hardest-to-detect refrigerants    |
| Auto & manual modes            | Detect leaks with background gas (auto) or utilize the best sensitivity (man.) |
| Calibration reference          | Ensures the sensor is operating at optimal conditions                          |
| Audio & visual indicators      | Clearly indicates when a leak is found with bright LED and audible sound       |
| Headphone option               | Allows for detection of leaks in noisy environments                            |
| 4.5 ft. probe                  | Reach leaks in tight places at an arm's length                                 |
| Shoulder strap                 | Use shoulder strap for one-handed leak detection                               |
| AC or DC power                 | Power from internal battery or run from wall adapter                           |
| Warranty                       | 3-year warranty – know that your leak detector will last                       |