

We test, You produce.

ATEQ He490s Helium Sniffer

The ATEQ He490s Helium Sniffer is a leader among portable tracer gas leak detectors. With a response time less than 0.5 seconds, sensitivity to 10^{-8} direct reading atm-cc/sec, and the ability to zero-out background, this is the most aggressive portable leak detector in the industry, with advanced features designed specifically for industrial use.

Optional Accessories

- Vibra-leak™ Probe
- RS-232 Interface
- PLC Interface (AC)
- PLC Interface (DC)



Optional Accessories

- Analog Interface
- Remote Box Assembly
- Maintenance Kit
- Spanish Prompts

Applications

Air Conditioning & Refrigeration Systems

- Coils & Hoses
- Evaporators & Condensers
- Compressors

Automotive Components

- Evaporators & Condensers
- Radiators
- Air conditioning components
- Fuel Tanks
- Fuel Rails injection systems
- Hoses
- Heat exchangers
- Heater cores
- Pressure transducers
- Headlights
- Wheels

Appliances

- Fire Extinguishers
- Gas Meters
- Heat Pumps

Benefits

- Made in USA
- Maintenance-free dry pump
- Fast start-up time
- Fully integrated with the VIC SmartChargeIV Evacuation and Backfill Station
- Recovery efficiencies up to 98%
- Fastest response time in the industry (less than 0.5 seconds)
- Five-year warranty on major components
- Easy to use with automatic startup & shutdown
- Probe Blocked feature with alarm to ensure proper system performance
- Ability to zero-out background
- Secure access with password protection

Product Specifications

Performance

Sensitivity: Smallest detectable helium leak rate 5×10^{-5} atm-cc/second helium (atmospheric sniffer mode). Helium leak tested to 1.0×10^{-6} atm-cc/sec@600 psig.

Response Time: Approximately 0.5 seconds.

Leak Rate Range: 10^{-3} ~ 10^{-5} atm-cc/second direct reading of helium leak rate (compensated for atmospheric sampling).

Startup Time: Less than 3 minutes; one-button automatic operation.

Electrical

Console: Microprocessor-based electronics incorporating 40-character alphanumeric prompting display; fully automatic operation including startup, shutdown, leak rate ranging, automatic zero, and diagnostics including operating and runtime parameters; contains 40 segment leak rate indicator and operator function buttons

System Details

Mass Spectrometer: Miniaturized 90° deflection, fixed magnet design, all stainless-steel construction, MW-40 flange for high vacuum connection, utilizes two non-burnout coated filaments.

Vacuum Pumps: Dry (oil-free) built-in diaphragm fore pump and 9,000-liter/min air-cooled molecular drag pump.

Inlet System: Interstage design incorporating integral mass separator high flow atmospheric inlet, standard sniffer probe hose length 10-feet; other lengths available.

Calibrated Leak: 150cc high pressure cylinder with low volume stainless steel leak element traceable to N.I.S.T. with calibration certificate supplied; easily removable for recalibration.

Pressure Measurement: Probe blocked sensor (10^{-3} Torr); turbo-pump speed characteristics for high vacuum (10^{-6} Torr).

Power: 115/220 Volts AC, 60/50 Hz, 6/3 Amps; CE Compliant

Weight: 70 pounds (31.8 kilograms)

Dimensions: 13-9/16" (344mm) W x 15 9/16" (395mm) H x 24-5/16" (618mm) D

Software: Linx Data Capture

Built-in Calibrated Leak is easy to view



Benefits

- Recovery efficiencies up to 98%
- Fastest response time in the industry (less than 0.5 seconds)
- Helium background suppression
- Maintenance-free, dry pump
- Less than 3 minutes total start-up time
- Fully interactive system diagnostics with multilingual displays
- Front panel key lock-out
- Complete with standard probe and built-in calibrated gas leak
- Optional Remote Display and exclusive Vibrating Probe
- Five-year warranty on major components
- Automatic startup and shutdown
- Auto-ranging
- Probe Blocked feature with alarm to ensure proper system performance
- Made in the USA



Multilingual Alphanumeric Prompting Display



Optional Vibra-Leak TM Probe

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