Hx-490S
DUAL TRACER GAS LEAK TEST INSTRUMENT
FOR INDUSTRIAL QUALITY CONTROL

The Hx-490S is a leader among portable tracer gas leak detectors. Everything has been designed to make industrial leak testing fast, safe and user friendly, while guaranteeing measurement performance and reliability.

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 sniffing helium/hydrogen leak detector in the industry, with advanced features designed specifically for industrial applications.

Highlights

→ GRAPHICAL AND ALPHANUMERIC DISPLAYS
→ MAXIMUM PERFORMANCE
→ SIMPLIFIED SET-UP

Applications

Air Conditioning and Refrigeration Systems, Automotive Components and Appliances, Medical Products, Food Packaging, Aerospace Components...

.|ATEQ

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Measurement Characteristics

- Sensitivity: Smallest detectable He leak rate 5×10^{-8} atm cc/sec
- Sensitivity: Smallest detectable H_2 leak rate 5×10^{-7} atm cc/sec
- Measuring Scale: 7 decades
- Response Time: less than 0.5 sec
- Pressure Measurement: Probe blocked sensor (10^{-3} Torr)
- Turbopump Speed characteristics for high vacuum (10^{-6} Torr)
- Dual Purpose (95% He/5% H_2) Internal Calibrated Gas Leak: ATEQ model M05, range is 1.5×10^{-5} to 7.5×10^{-5} atm cc/sec helium and 1.5×10^{-6} to 7.5×10^{-6} atm cc/sec hydrogen (150cc DOT rated cylinder, ISO 17025 and NIST traceable)

Test Modes

- Flow units (cc/sec, oz/yr, Pa m³/s)
- Helium or hydrogen sniffing test

Flexible Communication format

- Option Full duplex RS232 communication
- Option AC & DC PLC interfacing
- Option Analog outputs
- Option Data Link Software

Options

- ATEQ exclusive Vibrated-Probe w/built-in Auto Zero switch
- Remote Display
- Carrying Case
- Portable Cart

Accessories

- Test Booths and Fixturing
- Multi-point probes
- Robotic Sniffing
- Leak calibrator
- Master leak
- Connectors...

Main Features

- Fastest response time in the industry (less than 0.5 seconds)
- Tracer gas background suppression
- Less than 3 minutes total start-up time
- Fully automatic calibration sequence with built-in dual purpose gas leak
- User selectable between helium and hydrogen sniffer
- Front panel key lock-out
- Sealed membrane keypad
- Fully interactive system diagnostics with multilingual displays
- High output (110dB) adjustable audio alarm

Technical Specifications

Electrical supply	115/220 Volts AC, 60/50 Hz 6/3 Amps; CE Compliant
Physical	Weight: 70 lbs/31.8 Kg
Dimensions	Dimensions: (W x H x D): 13.5 x 15.5 x 24.4 inch 34.4 x 39.5 x 61.8 cm
Interface	40 Character alphanumeric prompting display with intuitive menu-driven operator controls
Temperature	Operating: 32F to 115F / + 0°C to + 46°C Storage: 32F to 140F / + 0°C to + 60°C

Other Formats & Integration

- SMART CHARGE 5

Hx-490S can be fully integrated with our Smart Charge 5 evacuation and backfill station