



HLD3000-FL Helium Leak Detector System

Features

- Remote Response through a 50 foot hose in Less than 2 seconds
- Leak rate displayed via LED at the probe
- Automatic zero of helium background
- Automatic internal calibration using external standard leak
- Probes available to match application
- Large Casters and fork lift pockets for easy transportation
- XP model available, safe for use in potentially hazardous areas

Specifications

Basic Detector

- 1.0×10^{-7} mbar/liter/sec sensitivity
- 1.0 sec response time detector with 50 ft. Sniffing Hose
- 1.0×10^{-7} mbar/liter/sec sensitivity
- 2 sec response time
- Scan rate: 0 to 6 inches per second
- Pumping speed 300 cc/min



General Description

The HLD3000-FL is designed for precise and efficient leak testing of pressure vessels and fluid connecting lines in an industrial or laboratory setting, using positive internal pressurization by an air-He mixture. It is used extensively by a major domestic airplane manufacturer on both military and commercial aircraft.

The HLD3000-FL consists of a Helium Leak Detector, pumping system, probe assembly with intrinsically safe LED display in the handle for remote read out and 50 feet of hose, a 50 foot retractable power cord, all mounted on a rugged cart with fork lift pockets and large casters. The HLD3000-FL uses an evacuated gas cell covered by a quartz membrane to detect escaping helium gas from containers filled to a positive pressure of an air-He gas mixture.

- Protec P3000 Wise Technology Helium Leak Detector Module by Inficon
 - Zero background switch located on the probe handle
 - Standby switch on the handle rest eliminates the intake of background helium into the sniffing probe
 - Quick connect/disconnects for sniffing hose and LED conductor wiring
 - Flat paddle probe assembly, 4 x 6 in., with quick connect/disconnect capability, stainless steel filter
 - Flex probe with flair tip, 3 and 6 in., with quick connect/disconnect capability, stainless steel filter
 - All stainless steel cart-enclosure with powered ventilation and internal retractable 50 foot power cord
 - Hangers for 50 foot sniffing hose and probe handle
 - Heavy duty steel forklift pocket platform with 6 in. diameter Kingpinless casters and floor lock
 - Dimensions: 46 in. long, 20 in. wide, 55 in. high Weight 280 Pounds
 - Power requirements: 120 VAC/20 A
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- Shipping crate: 60 in. x 40 in. x 64 in., 750 lbs.

Options included with the basic unit are two probes: a flat paddle probe assembly, 4 x 6 in., and a flex probe with a flair tip 3 in. long, both with quick connect/disconnect capabilities and stainless steel filters.

Options

Custom Probes available, Consult the factory

Ordering Information

Item Description	Part Number
HLD 3000 system with 50-ft. hose	HLD3000-FL
Replacement handle with 50 ft. hose	HLD3000-H-50
Paddle probe	HLD3000-PP
Flex Probe	HLD3000-FP
Operating Manual	HLD3000-M

Accessories

Custom Probes

Warranty

Parts and labor are on warranty for one year from date of purchase.