

M-SERIES HELIUM LEAK DETECTOR

TITAN^{TEST}



LACO's M-Series TITANTEST™ Helium Leak Detectors are designed and configured with the specific features and accessories needed for demanding service and maintenance applications—at an affordable price. Available with both oil-sealed and dry vacuum pump technology, the M-Series is ready to locate leaks in vacuum and pressurized gas systems.

Each unit comes equipped with a helium sniffer probe and a helium spray probe, standard. Additional accessories such as mobile cart, remote control, shipping case, and calibrated leak standards are also available.

KEY FEATURES

- **Test Modes:** Vacuum (gross, fine, ultra) and sniffing
- **Vacuum Test Mode:** High inlet pressure test mode (25 mbar–19 Torr) for challenging leak detection applications
- **Modular Design:** Configurable with multiple sizes of wet or dry vacuum pumps
- **Auto-Calibration:** Calibration in three test modes for best calibration accuracy—built-in helium calibrated leak standard
- **Helium Background Suppression**
- **Display:** Large graphical display with easy to navigate menus and leak rate trend graphs
- **Alarm:** Audio alarm with multiple sound options
- **Filaments:** Long-life yttria coated iridium dual filaments
- **Warranty:** Leak detector (2-years), ion source (3-years), and calibrated leak standard (lifetime)

INCLUDED ACCESSORIES

Helium Spray Probe Gun

P/N: LHSP01

LACO's helium spray probe is ideal for use in service and maintenance leak detection applications requiring external helium spraying. Includes 10 ft. hose, rigid and flexible probes, and rugged carrying case.



Helium Sniffer Probe

P/N: LSP-01N-10

Lightweight and easy to use, our handheld helium sniffer probe quickly attaches to the leak detector sniffer port and is an ideal accessory for your helium leak detector. Includes rugged carrying case.



APPLICATIONS AND INDUSTRIES

AEROSPACE



ENERGY/UTILITIES



SEMICONDUCTOR



PHARMACEUTICAL
R&D LABS



PROCESS INDUSTRIES



VACUUM COATING
VACUUM FURNACES



TITANTEST M-SERIES SPECIFICATIONS

COMPONENT	WET PUMPING TECHNOLOGY	DRY PUMPING TECHNOLOGY
Minimum Detectable Helium Leak Rate (ultra fine vacuum mode)	$<5 \times 10^{-12}$ atm.cc/sec	
Minimum Detectable Helium Leak Rate (sniffing mode)	5×10^{-8} atm.cc/sec	
Maximum Inlet Pressure	25 mbar	
Inlet Helium Pumping Speed (ultra fine mode)	2.5 L/sec	
Roughing Pump Capacity	3.5 CFM / 14 CFM* / 28 CFM*	8 CFM / 16 CFM
Inlet Test Port Configuration	NW25	
Detectable Gases	He4, He3, and H2	
Start-up Time	<3 minutes	
Response Time	<0.5 seconds	
Ambient Operating Temperature	50° F to 96° F	
Operating Voltage (single phase)	115/230 VAC, 50/60 Hz	
Approximate Weight (bench-top model)	100 lbs*	62.5 lbs**
Approximate Dimensions (bench-top model)	22" L x 18" W x 12" H	22" L x 18" W x 12" H

* Wet pump options larger than 3.5 CFM mounted externally. Weight and dimensions available upon request.

** Dry weight and dimensions do not include roughing pump. Dry pump mounted externally.

PROCUREMENT OPTIONS

Getting your hands on the latest helium leak detector model is easier than ever thanks to the TITANTEST Lease & Rental Program. If the outright purchase of a new helium leak detector is not an option for you—or you are looking for short-term solution—LACO currently offers three additional options for procuring your leak detector.

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TWO-YEAR LEASE-TO-OWN

1

ONE-YEAR RENTAL

5*

SHORT-TERM RENTAL

For more information, please contact our Leak Testing team at 801-486-1004 or info@lacotech.com

AVAILABLE ACCESSORIES

Ruggedized Mobile Cart



Perfect for service and maintenance applications where mobility is essential.

Remote Control (Wired or Wireless)



Remotely control your TITANTEST and see test results via your remote control.

Rugged Shipping Case



Polypropylene shipping case with foam. Outside dimensions: 22" x 34" x 18"