

LEAK TESTING SOLUTIONS for PRODUCTION APPLICATIONS



TITANTEST™ Production Series Helium Mass Spectrometer Leak Detector

DEMAND THE BEST — TITANTEST

Quality products demand a comprehensive and dependable leak detection test solution — TITANTEST P-Series Helium Leak Detector is a robust, cost-effective solution for low-volume production leak testing applications. Meet the demands of your leak testing process with a feature-rich reliable design, and a comprehensive choice of options and accessories. Designed by the industry's most experienced team of leak testing engineers, LACO's TITANTEST provides both the tools and the expertise to ensure your success.

GRAPHICAL INTERFACE WITH POWERFUL PRODUCTION SOFTWARE

AutoTest Features:

- Test cycle timers
- Pass/fail outputs
- Programmable reject limits
- Helium background verification
- Built-in helium contamination protection

2 ENHANCED OIL MANAGEMENT FEATURES

- High capacity oil mist eliminator with auto drainback
- Quick oil change without need to remove cover

(3) POWERFUL ALARM FEATURES

- Audio alarm with variable pitch
- Multiple reject limit settings
- Alarm/fail output trigger

4 AUTO-CALIBRATION

- Auto-calibration in all three test modes
- Built-in helium calibrated leak standard
- Auto-calibration with external calibrated leak

5 TEST MODES

- Vacuum (gross, fine, and ultra)
- Sniffer

6 HELIUM AND HYDROGEN BACKGROUND SUPPRESSION

• Leak testing sensitivity optimization

(7) COMPREHENSIVE I/O

- Serial, discrete, and analog interface
- External pump and valve control
- Interface to TCM50 Communication Module or ATLAS Controller



User-friendly interface is easy to navigate allowing for quick set up of test parameters.

Software features include Mode Selection (vacuum, sniffing, auto), Auto Test, Calibration and System Utilities.



UNIQUE BENEFITS OF TITANTEST P-SERIES HELIUM LEAK DETECTOR ▶

UNMATCHED PRODUCT WARRANTY*

- Leak Detector 2 years
- Ion Source 3 years
- Calibrated Leak StandardLifetime warranty

72-HOUR UPTIME GUARANTEE*

Keep your leak test process on track with our enhanced warranty exchange guarantee.

Temporary replacement leak detector ships within 72-hours, keeping your leak test process up and running.

24/7 PRODUCT SUPPORT PROGRAM*

Contact LACO any time (24 hours a day, seven days a week) to receive support when you need it.

By providing knowledgeable and responsive technical support we help increase your uptime!

FREE CALIBRATED LEAK EXCHANGE PROGRAM*

No charge annual calibrated leak standard exchange for the lifetime of your leak detector.

LACO will exchange your internal leak standard annually with a newly recalibrated leak standard, keeping your system performing efficiently.

^{*} Contact LACO Technologies for a complete list of details.

THE SOLUTION

Accompanied by its many accessories, the TITANTEST P-Series Helium Leak Detector is the complete solution for your production helium leak testing needs. With its powerful and full-featured software interface, integration of support peripherals such as the ATLASTM Leak Test Controller and the TCM50 Communication Module is seamless. When it comes to production leak testing solutions, TITANTEST is in a class all by itself!







FNHANCE YOUR TITANTEST FOR A COMPLETE SOLUTION ▶

TCM50 COMMUNICATION MODULE

DATA COLLECTION | REMOTE MONITORING

The perfect complimentary accessory to the TITANTEST, the TCM50 Communication Module provides:

- Configurable data logging capabilities
- Remote monitoring of system
- Ethernet interface
- Color touchscreen display
- Ticket printer (optional)



ATLAS LEAK TEST PROCESS CONTROLLER

HELIUM MANAGEMENT | TEST AUTOMATION

ATLAS* is a flexible tracer gas leak testing controller that allows for the following:

- Remote control of TITANTEST to fully automate the leak test process
- Air proof testing
- Air gross leak testing
- Helium charging
- * Includes all TCM50 functionality

TEST CHAMBERS & TOOLING ADDITIONAL ACCESSORIES

LACO's engineers have extensive experience in designing tooling and test fixtures to guarantee test reliability and robust performance to meet your exacting needs.

- Inlet test chambers
- Custom test chambers
- Custom tooling

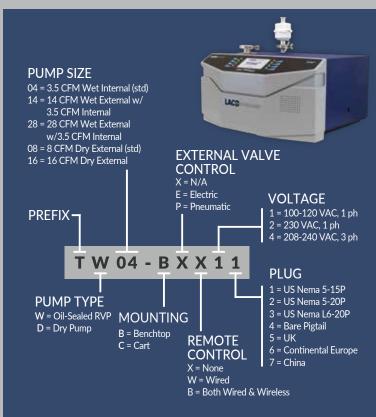


• Standard and custom carts for mobility and ergonomics

- Wired and wireless remote controls
- Calibrated leak standards
- Sniffer and Spray Probes
- High capacity oil-sealed and dry external vacuum pump and valve kits
- Stainless steel work surface



TITANTEST P-SERIES PART NUMBER MATRIX & SPECIFICATIONS ▶



COMPONENT	WET PUMPING TECHNOLOGY	DRY PUMPING TECHNOLOGY
Minimum Detectable Helium Leak Rate (ultra fine mode)	<5 x 10 ⁻¹² atm.cc/sec	
Minimum Detectable Helium Leak Rate (sniffing mode)	5 x 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 Response Time	<3 minutes	<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)	100 lbs*	62.5 lbs**
Approximate Dimensions (bench-top model)	22" L × 18" W × 12" H	
Interface	RS232 or RS485, Analog Output, Discrete I/O	

COMPREDE LACO'S FAMILY OF PRODUCTION HELIUM LEAK TEST SOLUTIONS



MEDIUM TO HIGH VOLUME PRODUCTION STANDARD PLATFORM \$\$ FLEXSTATION™



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

About LACO:

LACO Technologies, Inc. is a leading manufacturer of vacuum and leak testing systems. Driven by innovation, service, and quality, we strive to be the best provider of standard and custom vacuum and leak testing solutions. Established in 1975, LACO Technologies is located in Salt Lake City, Utah, and serves customers across the United States and internationally. Owned by engineers, LACO is uniquely situated to provide innovative solutions for vacuum and leak testing applications. We work with diverse customer applications and are dedicated to creating the right solution to help our customers achieve their goals. Learn more at www.lacotech.com.

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