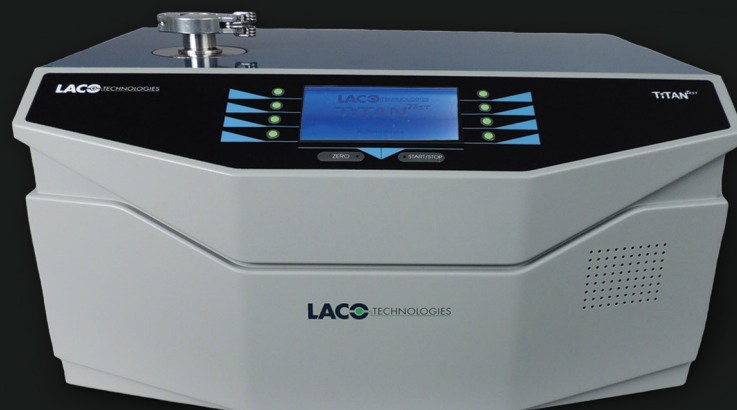


TiTAN *TEST* ►

**POWERFUL LEAK TESTING FOR
YOUR PRODUCTION PROCESS.**



LACO TECHNOLOGIES

Helium and Hydrogen Mass Spectrometer Leak Detector **POWERFUL LEAK TESTING FOR PRODUCTION.**

LACO's TitanTest™ Leak Detector brings you powerful solutions that target the unique challenges of today's production leak testing applications. Meet the demands of your leak testing process with a feature-rich design and an unparalleled choice of options and accessories. Designed by the industry's most experienced team of leak testing engineers, TitanTest™ provides both the tools and the expertise to ensure your success.

▶ SMART DESIGN

We've made it easy to optimize your leak detector with plug & play accessories and configurable options—all backed by the most comprehensive warranty in the industry.



FEATURES

- Three vacuum test modes: gross, fine, and ultra
- Sniffing test mode
- Helium and hydrogen background suppression
- Flexible I/O to interface with external vacuum pumps and helium charging system
- Auto-calibration with built-in helium calibrated leak
- Audio alarm with variable pitch
- Powerful software for semi-automatic and fully automatic test (AutoTest) modes

AutoTest Features

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

WARRANTY

2

YEARS ON
LEAK DETECTOR

3

YEARS ON
ION SOURCE

LIFE
TIME

ON CALIBRATED
LEAK STANDARD

ACCESSORIES

External Vacuum Pump and Valve Kits

Enhance your TitanTest™ with true plug and play external pump and valve kits. Our kits have everything you need to easily configure your TitanTest™—a feature no other leak detector can offer.

Communication Module

Monitor and record your leak testing process with our Communication Module (TCM50). The TCM50 allows for monitoring via web page, data logging, network communication via Ethernet or WiFi, barcode scanning, and ticket printing.

Helium Charge System

Automate your helium filling process with our Helium Charge System (HCS) that is fully integrated with your TitanTest™. The HCS also contains all the features of the TCM50.

Additional Accessories

Optimize your TitanTest™ with sniffer and spray probes, calibrated leak standards, remote controls, filters, and carts.

OUR EXPERTISE. YOUR SOLUTION.



► EXPERTISE

Our leak test engineers have over 50 years combined industry experience. Not only do we design great leak detectors, we are your partner in your leak testing process.

50
YEARS
EXPERIENCE

LACO is known industry-wide for its leak testing expertise.

With TitanTest™, you gain access to our custom design, consulting, training, and support solutions. No other company can match our level of experience and commitment to the success of your leak testing process.

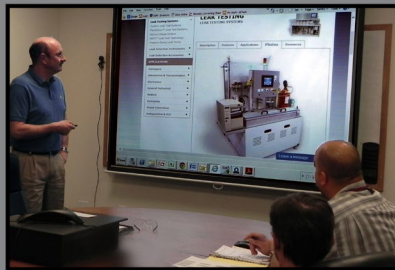
**EXPERT TEST
FIXTURE DESIGN**

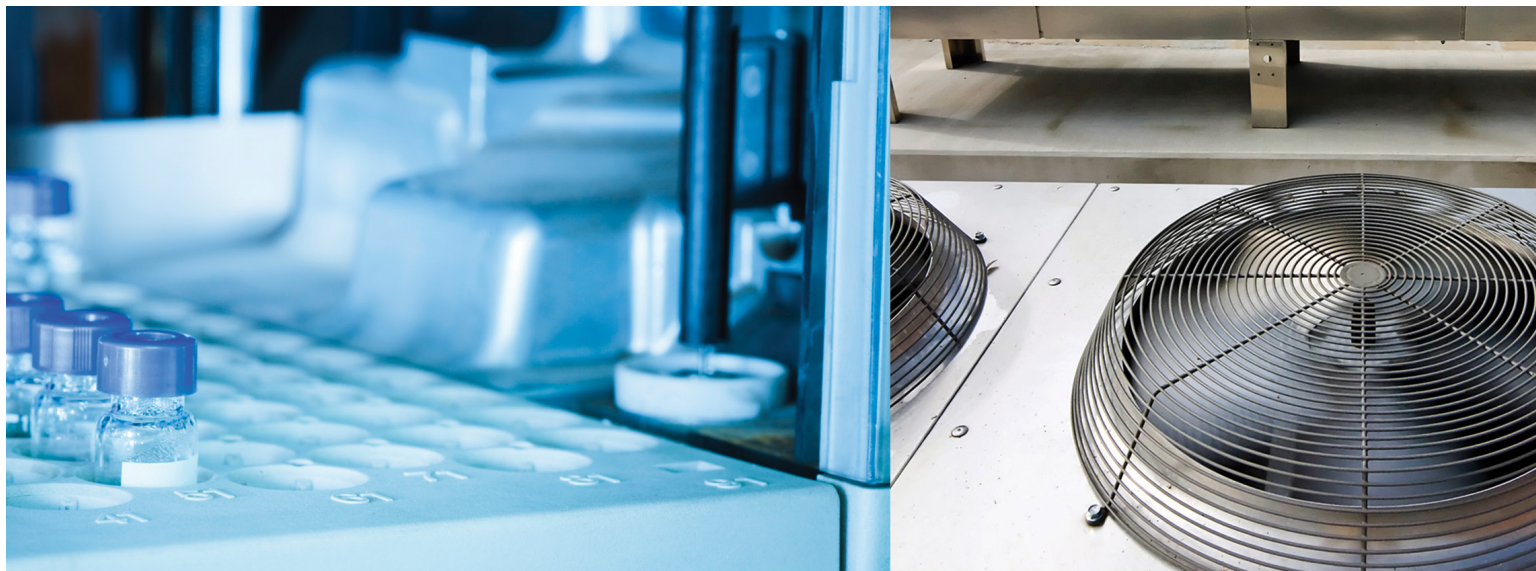
**LEAK TESTING
PROCESS
CONSULTING**

**TRAINING
SEMINARS**

**SYSTEM
INTEGRATION
SUPPORT**

**LEAK DETECTOR
SERVICE**



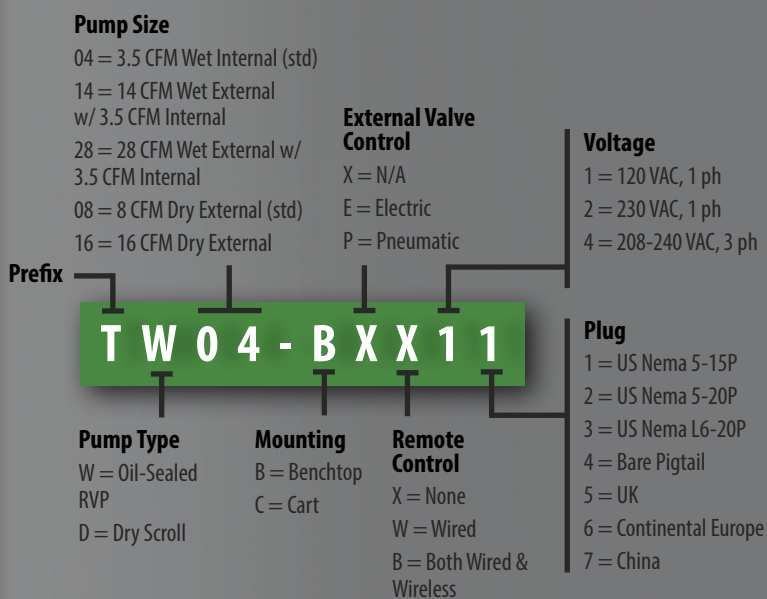


► SPECIFICATIONS

The TitanTest™ is a high performing leak detector with the speed and sensitivity to meet your most demanding needs.

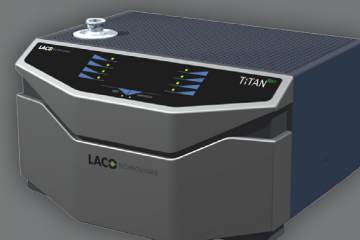
SPECIFICATIONS	WET PUMPING TECHNOLOGY	DRY PUMPING TECHNOLOGY
Minimum detectable helium leak rate (ultra fine vacuum mode)	$<5 \times 10^{-12}$ atm.cc/sec	
Minimum detectable helium leak rate (sniffing mode)	5×10^{-8} atm.cc/sec	
Maximum inlet pressure	25 mbar	
Inlet helium pumping speed (ultra fine mode)	2.5 L/sec	
Roughing pump capacity	3.5 CFM / 14 CFM* / 28 CFM*	8 / 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	
Approx. weight (bench-top model)	100 lbs.*	62.5 lbs.**
Approx. dimensions (bench-top model)	22" L x 18" W x 12" H*	22" L x 18" W x 12" H**
Interface	RS232 or RS485, Analog Output, Discrete I/O	

PART NUMBER MATRIX



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

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



TITANTEST™ ACCESSORIES

EXTERNAL VACUUM PUMP KITS

DESCRIPTION	PART NUMBER
Rotary Vane Pump, 14 CFM, NW25, Oil Mist Eliminator, Cart Vibration Mount	T102599-14C
Rotary Vane Pump, 14 CFM, NW25, Oil Mist Eliminator, Benchtop	T102599-14B
Rotary Vane Pump, 28 CFM, NW25, Oil Mist Eliminator, Cart Vibration Mount	T102599-28C
Rotary Vane Pump, 28 CFM, NW25, Oil Mist Eliminator, Benchtop	T102599-28B
Dry Scroll Pump, 8 CFM, NW25, Cart Vibration Mount	T102599-08C
Dry Scroll Pump, 8 CFM, NW25, Benchtop	T102599-08B
Dry Scroll Pump, 16 CFM, NW25, Cart Vibration Mount	T102599-16C

COMMUNICATION MODULE

DESCRIPTION	PART NUMBER
TitanTest™ Communication Module with Data Logging / Ethernet	TCM50
TitanTest™ Communication Module with Data Logging / Ethernet / Printer	TCM50-PT
Barcode Reader for TitanTest™ Communication Module	TCM-BC
WiFi Adapter for TitanTest™ Communication Module	TCM-WIFI
Shelf for TitanTest™ Communication Module	T102745

HELIUM CHARGE SYSTEM

DESCRIPTION	PART NUMBER
Helium Charge System with Data Logging / Ethernet, 0-15 PSIA Medium Flow (additional configurations also available)	HCS-1AXXT
Shelf for Helium Charge System	T102746

LEAK TESTING ACCESSORIES

DESCRIPTION	PART NUMBER
Sniffer Probe - 10 ft (3 m)	LSP-01N-10
Sniffer Probe - 33 ft (10 m)	LSP-01N-33
Enhanced Sniffer Probe - 10 ft (3 m), Pass/Fail + Zero Function, Rigid Tip	T2003
Enhanced Sniffer Probe - 33 ft (10 m), Pass/Fail + Zero Function, Rigid Tip	T2010
Helium Spray Probe - 10 ft (3 m) Poly tube	LHSP-01
Helium Spray Probe - 10 ft (3 m) Poly tube with Regulator	LHSP-04
Helium Spray Probe - 10 ft (3 m) Poly tube with Regulator and 620cc Reservoir Bottle	LHSP-07

FILTERS

DESCRIPTION	PART NUMBER
Inline NW25 Filter Housing with 40 Micron Sintered Bronze Element	LVF-E-NW25-40-10

EXTERNAL PUMP VALVE KITS

DESCRIPTION	PART NUMBER
Electric Operated Valve	
Kit for Cart Configuration	T102587-EC
Kit for Benchtop Configuration	T102587-EB
Pneumatic Operated Valve	
Kit for Cart Configuration	T102587-PC
Kit for Benchtop Configuration	T102587-PB

(All kits include: Valve, Hose, Manifold, Connection Cable, Solenoid Valve, Electrical Connections. Pneumatic kit includes regulator.)

CART OPTIONS (COMPATIBLE WITH ALL OFFERED EXTERNAL PUMPS)

DESCRIPTION	PART NUMBER
Cart with Power Module	T102378-PC
Power Module	T102166
Stainless Steel Work Surface	T102607

REMOTE CONTROL

DESCRIPTION	PART NUMBER
Wired Remote Control RC 800, 13 ft (4m) Cable Included	TR100
Wireless Remote Control RC 800 WL, up to 330 ft (100 m)	TR101

CALIBRATED LEAK STANDARDS

DESCRIPTION	PART NUMBER
Internal Helium Leak Standard for TitanTest™, Low 10^{-7} mbarL/sec	CM102492
External Helium Leak Standard, Low 10^{-7} mbarL/sec, NW25, Manual Isolation Valve	CM51L-71111V0/4
Sniffer Helium Leak Standard, 1×10^{-5} mbarL/sec, Sniffer Adaptor, Pressure Gauge, Refill Valve	CM511.0-5102DAG/4

(Other calibrated leak standards also available. Call for more information.)

ADDITIONAL ACCESSORIES

DESCRIPTION	PART NUMBER
Large Chamber Vent Valve Assembly	T102752
Pass/Fail Light Assembly	T103181
Helium Fill Module Assembly	T104545

LACO TECHNOLOGIES. YOUR COMPREHENSIVE LEAK TEST PARTNER

EQUIPMENT

Choose from a powerful range of leak testing equipment and systems that are designed for a wide range of production requirements, from low volume (TitanTest™), medium to high volume (FlexStation™), and high volume (Custom LACO Systems).

METHOD

Our vast leak testing experience brings you a wide range of leak testing methods, including air testing, helium, and other tracer gas methods.

EXPERTISE

Our leak test engineers are experienced in a broad range of industries and applications, including automotive components, refrigeration equipment, medical devices, electrical devices and packages, appliances, industrial fluid handling components, and more.

**TITAN
TEST™**

LOW VOLUME
PRODUCTION

STANDARD PLATFORM

\$



MEDIUM TO HIGH
VOLUME PRODUCTION

STANDARD PLATFORM

\$\$

**FLEX
STATION™**

**LACO
CUSTOM**

HIGH VOLUME
PRODUCTION

CUSTOM PLATFORM

\$\$\$



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info@lacotech.com

www.lacotech.com



Established in 1975, LACO has a long history of serving customers across the United States and internationally. We work with diverse customer applications and are dedicated to creating the right solution to help our customers achieve their goals.

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 solutions.

LACO TECHNOLOGIES