TITAN VERSA HELIUM LEAK DETECTOR

Performance | Versatility | Reliability

LACO TECHNOLOGIES

TITAN VERSA HELIUM LEAK DETECTOR SPECIFICATIONS

	VERSA C	VERSA T	VERSA TD	VERSA L	VERSA LD
PRIMARY PUMP TYPE	None	Single-stage rotary vane	Dry membrane (2)	Single-stage rotary vane	Dry scroll
PUMPING SPEED CAPACITY	N/A	6.0 m^3/h (3.5 CFM)	3.6 m^3/h (2.1 CFM)	15 m^3/h (8.8 CFM)	6.5 m^3/h (3.8 CFM)
DIMENSIONS (W x H x D)	559 x 404 x 305 mm (22.0 x 15.9 x 12.0 in)	559 x 607 x 305 mm (22.0 x 23.9 x 12.0 in)		559 x 404 x 495 mm (22.0 x 15.9 x 19.5 in)	
WEIGHT	25 kg (55 lbs)	44 kg (97 lbs)	42 kg (93 lbs)	58 kg (128 lbs)	47 kg (104 lbs)
OPERATING TEMPERATURE RANGE – VACUUM METHOD	0 – 45 °C (32 - 113 °F)				
OPERATING TEMPERATURE RANGE – SNIFFING METHOD	0 – 45 °C (32 - 113 °F)	0 – 40 °C (32 - 104 °F)			0 – 45 °C (32 - 113 °F)
ELECTRICAL SUPPLY (50/60 Hz)	90–250 V~	100–130 V~ 208–240 V~	90–250 V~	100–130 V~ 208–240 V~	
ELECTRICAL POWER (MAX)	350 W	700 W	600 W	850 W	600 W
DETECTABLE GASES	Helium 4 | Helium 3 | Hydrogen				
MIN. DETECTABLE LEAK RATE VACUUM METHOD (HELIUM)	5 x 10^{-12} mbar L/sec | atm cc/sec				
MIN. DETECTABLE LEAK RATE VACUUM METHOD (SNIFFING)	5 x 10^{-9} mbar L/sec | atm cc/sec				
MAX INLET PRESSURE – VACUUM TEST MODES	GROSS - 25 mbar | FINE - 5 mbar | ULTRA - 0.5 mbar (GROSS - 19 Torr | FINE - 4 Torr | ULTRA - 0.4 Torr)				
TEST METHODS	Vacuum (includes AutoTest) | Sniffing				
HELIUM PUMPING SPEED	2.5 L/sec (ULTRA mode)				
PROTECTION CATEGORY	IP 20				
INLET FLANGE	DN 25 ISO-KF				
START-UP TIME	≤3 minutes				
ACCESSORY INTERFACES	USB port | Barcode | Accessory 1&2 | Wireless remote control | Wired remote screen				
COMMUNICATION OPTIONS	Serial Ports: RS-232 | RS-485 | Ethernet				
I/O OPTIONS	Remote I/O | Local I/O				
CE APPROVED	Yes				

PART NUMBER MATRIX

TITAN VERSA

EVACUATION VALVE
X = Standard Flow
H = High-Flow

PREFIX

SUPPLY VOLTAGE
1 = 100-120 V~
2 = 208-230 V~

TVC-XX1-1

CONFIGURATION
C = Compact (no pump)
T = Tower (internal wet pump)
6.0 m^3/h | 3.5 CFM
TD = Tower (internal dry pump)
3.6 m^3/h | 2.1 CFM
L = Horizontal (internal wet pump)
15.0 m^3/h | 8.8 CFM
LD = Horizontal (internal dry pump)
6.5 m^3/h | 3.8 CFM

VENT VALVE
X = Standard Flow
H = High-Flow

PLUG
1 = N. America
2 = Pigtail
3 = UK
4 = Europe
5 = China

WHY PARTNER with LACO?

TITAN VERSA™ Helium Leak Detector– designed and assembled by LACO in the USA to meet your most demanding leak detection challenges.

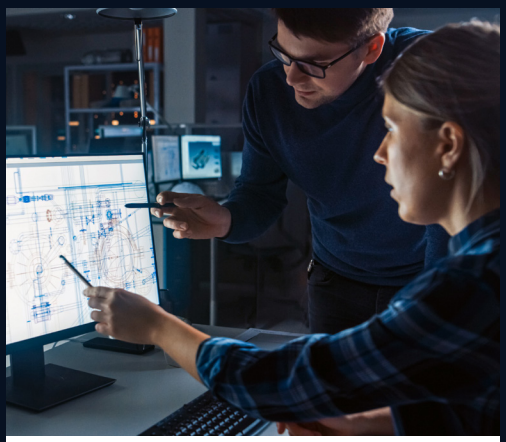
We offer a comprehensive line of **standard systems** integrating the TITAN VERSA ensuring a solution perfectly suited to your needs.

HELIUM LEAK DETECTION *is our* CORE

We understand your application and have the widest array of **accessories** to get you up and running with the right solution.

When combined with LACO's powerful **ATLAS Leak Test Controller**, the TITAN VERSA can provide a fully automated leak detection system.

INDUSTRY LEADER IN HELIUM LEAK DETECTION



EXPERTS IN APPLICATION & ENGINEERING SOLUTIONS

SUPPORT & SERVICE FOR A LIFETIME

MORE INFO

TITAN VERSA

TITAN VERSA C

Lightweight, Mobile, Flexible

External pump - customer specified or provided

- Production system integration
- Service cart integration for maintenance environments
- Field service applications

TITAN VERSA T | TD

Small footprint, Ready to work

Internal wet or dry pump

- Ideal for laboratory or R&D environments
- Light-duty production applications
- Production sniffing

TITAN VERSA L | LD

High performance, Built for speed

High-capacity internal wet or dry pump

- Large volume leak detection
- Industrial and clean room enviroments
- Stand-alone production

HIGH PERFORMANCE

HIGH SENSITIVITY
Find smaller leaks with vacuum or sniffing methods

LARGE PRIMARY PUMPS
Faster pump-down times

HIGH-FLOW VENT & EVACUATION OPTION
Quicker cycle times

VERSATILE

VERSATILE CORE SENSOR MODULE
Same core technology for your multiple applications

MULTIPLE VACUUM PUMP OPTIONS
Choice of wet or dry pumps

INDUSTRY'S WIDEST RANGE OF ACCESSORIES
Everything you need from one source

WE'RE APPLICATIONS EXPERTS

INDUSTRIAL APPLICATIONS

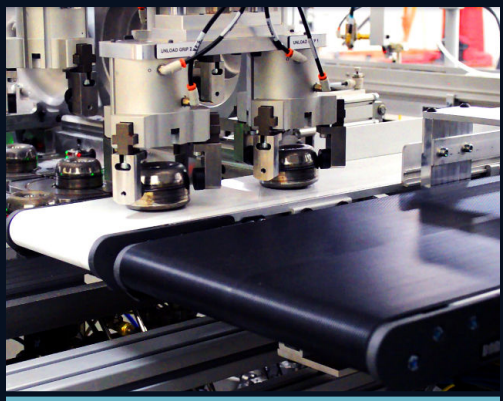
- Rugged design for harsh environments
- High pumping capacity
- Compact and lightweight
- Sniffer capability

ELECTRONICS

- High-capacity dry pump for clean rooms
- High sensitivity
- Compact or horizontal configuration on service cart

LABORATORY | R&D

- High sensitivity leak detection
- Two dry pump options
- Easy-to-use 7" color touch-screen display
- Robust data logging

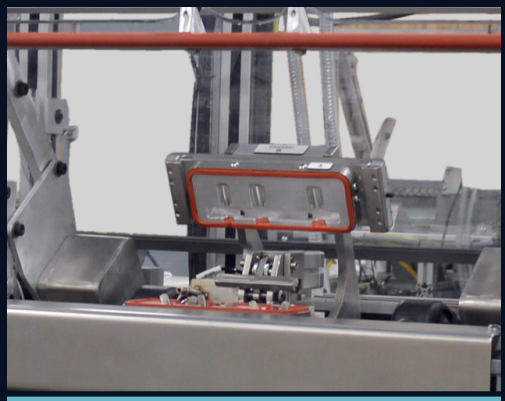


AUTOMOTIVE

- High helium pumping speeds for fast cycle times
- Designed for trouble-free system integration
- Robust data logging

REFRIGERATION

- Compact & versatile footprint
- High sensitivity sniffer test capability
- Use with gas charge system
- Helium or hydrogen detection



MEDICAL | PHARMA

- High sensitivity for accurate test results
- Clean room friendly with dry pump
- AutoTest feature

RELIABLE

PROVEN MASS SPECTROMETER TECHNOLOGY
Long life and stable operation

HIGH-CAPACITY COOLING
Keeps you up and running in extreme temperatures

TEMPERATURE-STABLE LEAK STANDARDS
Accurate and dependable readings regardless of environment

EASY TO USE

LARGE 7" COLOR TOUCHSCREEN DISPLAY
Intuitive menu structure for easy navigation

FLEXIBLE CONTROL
Remote screen, wireless remote control, or powerful I/O module

ROBUST DATA LOGGING
Capture your data easily via USB drive or connect to a PC

TITAN VERSA™ ACCESSORIES

MORE INFO

CORE ACCESSORIES

MAINTENANCE CART

PRODUCTION CART

EXTERNAL PUMP PACKAGES

LEAK TEST CHAMBERS

SNIFFER PROBE

CALIBRATED LEAK STANDARDS

HELIUM MANAGEMENT

ATLAS CONTROLLER

SPRAY PROBE

HELIUM BOMBING CHAMBERS

HELIUM GAS CHARGE MANIFOLD

HELIUM CONCENTRATION

GAS BOTTLE REGULATOR

TEST ENHANCEMENT

HIGH-FLOW VENT/EVAC

WIRELESS REMOTE CONTROL

REMOTE WIRED SCREEN

REMOTE START / STOP MODULE

N2 GAS PURGE/ VENT MODULE

PASS / FAIL LIGHT

DATA COLLECTION & AUTOMATION

ATLAS CONTROLLER

BARCODE READERS

USB DATA LOGGING

REMOTE I/O MODULE

ETHERNET & REMOTE VNC

3085 West Directors Row, Salt Lake City, UT 84104 | Phone: 801-486-1004 Fax: 801-486-1007 | info@lacotech.com | www.lacotech.com

CREATING VACUUM AND LEAK TESTING SOLUTIONS