

Leak Test Cart

ENORISE

Simulate, Automate, Qualify

Mobile Leak Test Solution for Industrial Applications



Semi-Automatic with Trace Gas

The Leak Test Cart is a mobile solution designed for industrial leak testing applications. It supports manual and semi-automatic configurations, offering high precision and safety features in a compact, ergonomic design. Real-time leak measurement allows for immediate feedback.

Your benefits:

- Robust construction with extruded aluminum frame
- Integrated manual or semi-automatic controls
- High accuracy instrumentation and regulators
- Comprehensive safety features including lock-out valves and GFCI protection
- Easy mobility with casters and ergonomic handle

Mass Flow Method:

- Faster than pressure decay testing
- Direct measurement of leak rate
- Insensitive to volume size
- Stable in Temperature variations
- Suitable for continuous permeation materials

Configurations:

- **Single or Dual Circuit:** Manual leak test cart with precision regulators, mass flow meter, and stainless-steel tubing
- **Vacuum:** Includes rotary vane vacuum pump, surge tank, and vacuum gauge for negative pressure testing
- **Semi-Auto:** Features PLC and HMI for semi-automatic control

Options:

- Trace gas fill system with bottle storage
- Hydrogen or helium leak detection

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General Data

Parameter	Value / Description
Dimensions	55" L x 30" W x 48" H (60" L x 30" W x 48" H w/ Optional Trace Gas)
Weight	400 lb. (700 lb. w/ Optional Trace Gas)
Storage	2 - Shelves (incl. 1 fold-away) 1 - Drawer (lockable)
Power	25' power cord (US version 120V, EU version 230V)
Air Supply	Industrial compressed air quick-disconnect
Tubing & Fittings	Stainless steel
Documentation	User Manual, Type 1 Gauge Study
Safety	Lock-out valves, GFCI, ECPL placards
Calibration	Orifice assembly with certificate
Test Hose	15' long, leak free quick-disconnect (cart side) to female JIC

Configuration-Specific Data

	Control	Manual	Semi-Automatic	Vacuum
Flow Meter	Precision	± 0.6% of reading or ± 0.1% of full scale, whichever is greater		
	Range	0..100 SCCM 0..500 SCCM 0..1000 SCCM		
Pressure Regulator	Precision	±0.05 psi ±3.45 mbar		±0.06 inHg ±2.03 mbar
	Range	0..10 psi 0..0.69 bar 0..30 psi 0..2.07 bar 0..60 psi 0..4.14 bar		0..15 inHg 0..0.51 bar 0..30 inHg 0..1.02 bar
Display (Flow & Pressure)		LCD	5.7" HMI	LCD
Vacuum Pump		N/A		1/4 Hp Rotary Vane
Surge Tank		N/A		2 Gal.
Filters		5 and 0.01 micron with auto drain		5 micron with manual drain
Supply Air (Room Temperature)		174 psi / 12 bar		30 inHg / 1.02 bar

Technical specifications may be modified without prior notice

