

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 I 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