

# Leak Test Instruments

## MODEL VE2—Mass Extraction, Shallow Vacuum

### Instrument Applications

- Leak testing under vacuum (2 psia to barometric pressure)
- Mass Extraction tests
- Leak rates of  $5 \times 10^{-4}$  sccs
- Medium sized parts, higher throughput
- Cleanroom or industrial applications
- User friendly operator interface - stand alone applications

### Features

- Micro-Flow sensor—IGLS (vacuum generation)
- Automated vacuum test circuit with balance and quick fill valves
- Front TFT graphical color display with touch screen
- Optional verification orifice (calibrated leak)
- Digital and analog I/O interface
- Ethernet or serial Interface
- Faster test time
- Stainless steel enclosure for aseptic and cleanroom applications
- Multiple test profiles



The Model VE2 is a popular Mass Extraction instrument with an additional built-in quick fill circuit for higher throughput, handling medium size parts with leak tightness from  $1 \times 10^{-4}$  sccs with AIR. It is offered for industrial applications as well as aseptic and cleanroom applications (stainless steel). Its graphical display, real time signature graphs, and touch screen make it very user friendly without risking the integrity of the test set up. It can be assigned an IP address enabling interface through your LAN.

## Applicable Micro-Flow Sensors

IL2-C

IL2-KM

IL2-M at pressure to 2 psia

## Specifications

### Dimensions

- 12"W, 12"H, 12"D (Does not include connectors & fittings)
- Expansion tank and pressure regulators are externally mounted
- ETL Listed, CE compliant

### Gases

Dry, clean gases: air, nitrogen

For other gases, consult ATC



## Connections, I/O, & Power

1. **Pneumatic connections:**  
Test ports & vacuum  
3/8 inch Swagelok® (on side of instrument)
2. **RJ45 Ethernet or RS232 Serial Interface**
3. **Digital Inputs:** 5 VDC, Opto-Isolated for start, stop, type, pressure switch, verify

**Digital Outputs:** 30 VDC-20 mA,  
Opto-isolated for pass, fail, clamp, test type,  
exhaust and custom

**Analog outputs:** single channel, 0-5 VDC  
pressure control

4. **Power Supply:**  
115VAC-60Hz  
220VAC-50Hz (optional)

The COMPLETE Solution For Your Most  
Challenging Automatic Leak Flow Testing

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