

Leak Test Instruments

MODEL ME2

Instrument Applications

- Leak testing under vacuum
 - ▶ Slip and viscous flow regime (2 psia to barometric pressure)
 - ▶ Leak Tightness from 1×10^{-5} sccs at 2 psia ($1 \mu\text{m}$ defect size)
 - Or
 - ▶ Hard vacuum - Molecular Flow (less than 0.1 psia)
 - ▶ Leak Tightness from 5×10^{-7} sccs at 0.02 psia ($0.1 \mu\text{m}$ defect size)
- Mass Extraction tests
- Medium size parts, higher throughput
- Cleanroom or industrial applications

Features

- Micro flow sensor- Intelligent Gas Leak Sensor (IGLS)
Or
- Molecular Flow Sensor- Intelligent Molecular Leak Sensor (IMFS)
- Automated VACUUM test circuit, uniquely designed for ultra-tight leak specification
- Built in Balance and Quick Evacuation circuits
- Frontal graphical display with TOUCH screen
- Built in Verification Orifice
- Digital and analog I/O Interface
- Ethernet, Serial Interface
- Stainless steel enclosure for clean room
- Oil-less various sizes, vacuum generation and control packages
- Optional test cart with vacuum generation and control package



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APPLICABLE MICRO-FLOW SENSORS (IGLS)

Vacuum Sensor: Model IL2-M, calibrated from 2 psia (slip and viscous flow regimes)

Hard Vacuum Sensor: Model IMFS calibrated from 0.01 to 0.2 psia (Molecular and transitional flow regimes)

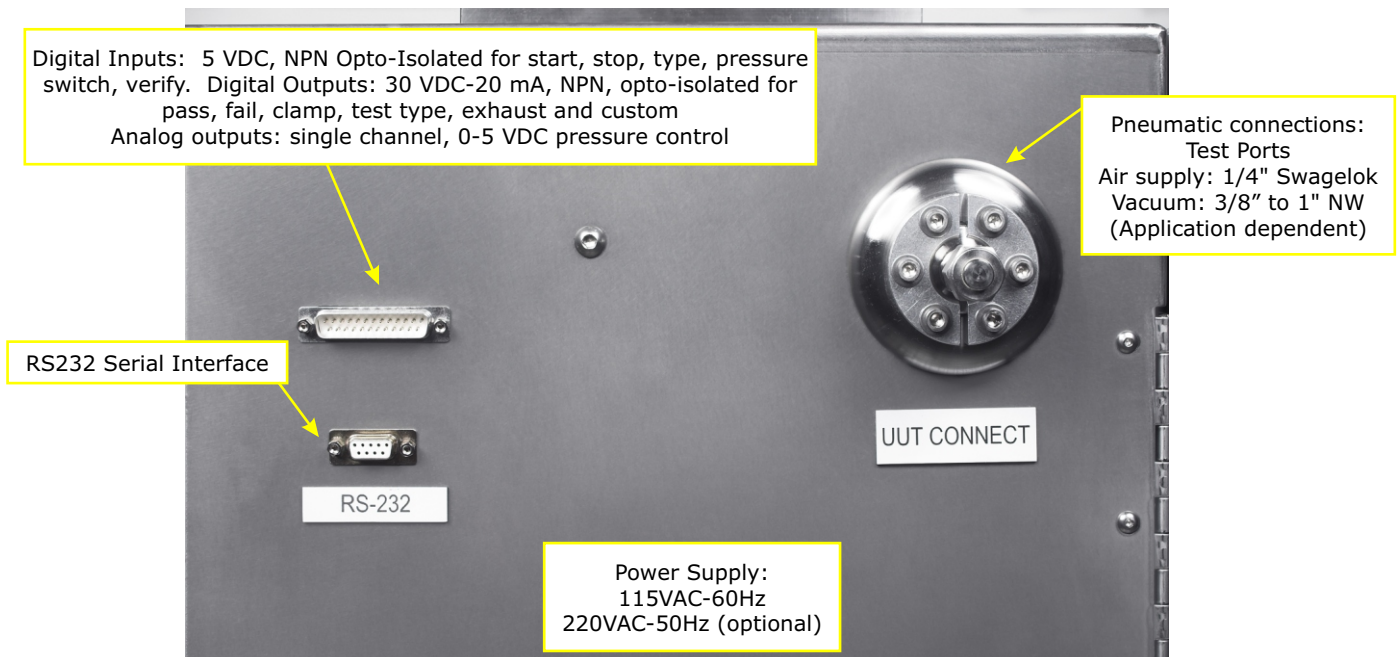
SPECIFICATIONS

Dimensions & Access

- ◆ 17"W, 24"H, 19"D (Does not include connectors & fittings)
- ◆ Optional Cart Size: 28"W, 47"H, 20"D
Expansion tank, vacuum generation and control package are externally mounted on optional cart

Gases

- ◆ Dry, clean gases: air, nitrogen
- ◆ For other gases consult ATC



AVAILABLE OPTIONS

See options chart for all available options.

The COMPLETE Solution For Your Most Challenging Automatic Leak Flow Testing