

Leak Test Instruments

MODEL IPE, Model IPE2, and Model IPE2-HP Pressure Testing with Micro-Flow

Instrument Applications

Pressure leak test from 0.02 cc/min and up to 2100 psia
Constriction or blockage flow test, up to 5% part diameter
constriction
1-2 independent test channels
Independently test up to two sets of parts
Test multiple parts and sort rejects
Test large volume and complex parts in short cycle time
Use with shallow vacuum for applications like EV batteries
Effective in cleanroom and industrial environments
User friendly operator interface for stand-alone equipment
CE approved

Features

Patented Micro-Flow Technology
Single or dual test channels with pressure leak testing and/or
constriction/blockage flow testing channel
Optional verification orifice (calibrated leak) and valve
Character display interface
Digital and analog I/O interface
Ethernet or serial interface for each test channel
Optional sort test controller
Stainless steel enclosure for cleanroom
The high pressure (HP) options feature:

- Automatic high pressure test circuit for each channel
- Stainless steel, high pressure test circuit



The Models IPE & IPE2 are our top of the line industry focused leak testing instrument. Designed for demanding applications from high pressure testing to dual channel capabilities where short cycle times are a must. These instruments are built for heavy usage and testing large size parts.

Applicable Micro-Flow Sensors

IL2-C & IL2-L

IL2-M

IL2-KM

IF2-HF (*flow/constriction/blockage tests*)

See options chart for available options

Specifications

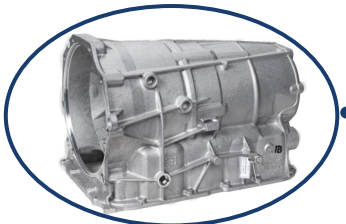
Dimensions & Access

- 27"W, 24"H, 19"D (Does not include connectors & fittings) - Model IPE2
- 24"W, 23"H, 12"D (Does not include connectors & fittings) - Model IPE
- Expansion tank and pressure regulators are externally mounted

Gases

Dry, clean gases: air, nitrogen

For other gases, consult ATC



Connections, I/O, & Power

1. **Pneumatic connections:**
Test ports
Air supply: 1/4 inch to 1/2 inch Swagelok® (application dependent)
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



The COMPLETE Solution For Your Most Challenging Automatic Leak Flow Testing

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