

Leak Test Instruments

MODEL IPE

Instrument Applications

- One or two of the following tests:
 - ▶ Pressure Leak Test from 0.03 cc/min to 500 psig
 - ▶ Constriction or Blockage Flow Test, up to 5% part diameter constriction
 - ▶ Mass Extraction-vacuum tests from 0.02 cc/min at 2 psia
- One or Two Independent Test Channels
- Testing up to two set of parts independently
- Sort function- testing multiple parts and sorting the rejects (Applicable as the IGLS measurement is not volume sensitive!)
- Large volume parts, complex parts and short cycle time
- Custom options

Features

- Micro flow sensor-Intelligent Gas Leak Sensor (IGLS)
- Single or Dual test channels with one or two of the following:
 - ▶ Leak Test Channel Pressure testing: Automated test with large volume Quick-Fill features.
 - ▶ Constriction/Blockage Flow channel with Intelligent Gas Flow Sensor (IGFS) and unique pressure control.
 - ▶ Vacuum test Channel - Mass Extraction tests to 2 psia vacuum.
- Optional Sort test controller: Leak Test multiple parts, and sorting out the rejected parts.
- For Each Test Channel:
 - ▶ Built in Verification Orifice and valve.
 - ▶ Character Display Interface.
 - ▶ Digital and analog I/O Interface
 - ▶ Serial Interface for each test channel.



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APPLICABLE MICRO-FLOW SENSORS (IGLS)

Models: IL2-C and IL2-L

Flow/Constriction/Blackage Tests: Model IF2-HF

Vacuum Leak Test: Model IL2-M

SPECIFICATIONS

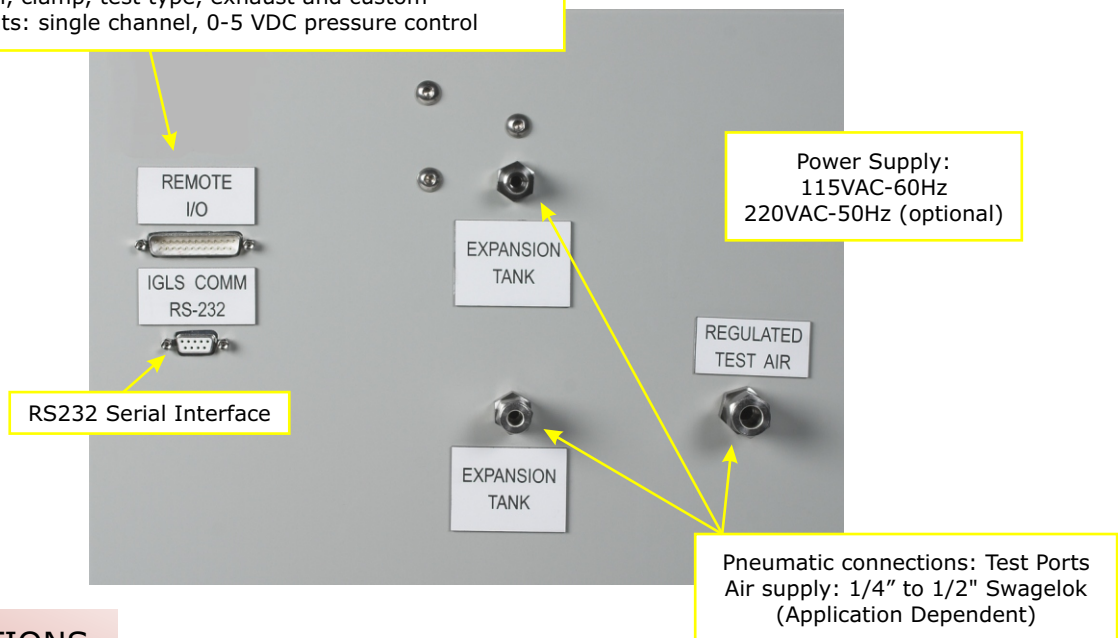
Dimensions & Access

- ◆ 24"W, 23"H, 12"D (Does not include connectors & fittings)
- ◆ Dual access doors, NEMA 12 instrument enclosure
- ◆ Expansion tank and pressure regulators are externally mounted

Gases

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

Digital Inputs: 5 VDC, NPN Opto-Isolated for start, stop, type, pressure switch, verify
Digital Outputs: 30 VDC-20 mA, NPN, opto-isolated for pass, fail, clamp, test type, exhaust and custom
Analog outputs: single channel, 0-5 VDC pressure control



AVAILABLE OPTIONS

See options chart for all available options.

The COMPLETE Solution For Your Most Challenging Automatic Leak Flow Testing