

Micro-Flow Sensors

MODEL: IL2-C AND IL2-L

Product Applications

- Pressure leak testing
- Leak Rates: 0.03 cc/min to 25 LPM

Product Features

- Intelligent Gas Leak Sensor (IGLS)
- Measures volume flow - using ATC's patented **ALF** design
- Measures absolute downstream pressure and temperature
- Stainless steel rugged construction
- No moving parts
- No over-flow sensitivity
- Max. Differential Pressure: Up to 500 psi.



NOTE: The IGLS is a part of ATC's complete leak test instruments, portable unit, or part of a larger automated test system. The micro-flow sensor is not available by itself.



Micro-Flow Sensors

MODEL: IL2-C AND IL2-L

FLOW RANGE

0-1; 0-3; 0-5; 0-10; 0-25; 0-50; 0-100; 0-250; 0-500 cc/min (mL/min)
0-1; 0-5; 0-25 LPM (L/min)

Sensor Type: Accelerated Laminar Flow (ALF)

Measurement Uncertainty: +/- 1% (0.6% optional) of reading, calibrated range

PRESSURE RANGE

0-15; 30;100;250; (psi-absolute)

Type: Absolute, micro-machined

Measurement Uncertainty: 0.2% of Full Scale (FS)

Maximum over Pressure: 1.2 times full range/scale

TEMPERATURE RANGE

Operating and Calibrated: 10 - 45 °C

Storage: -25 to 50 °C

Sensor Type: RTD 100 Ohms

Measurement uncertainty at calibrated range: 0.5 °C

RESOLUTION

16 bits A/D and 16 bits D/A

INTERFACE

Serial port

Digital I/O: Start/Stop, type clamp and more...

Analog I/O

Power: 115 or 220 VAC, single phase

Optional: 2-line character display

MAX DIFFERENTIAL PRESSURE

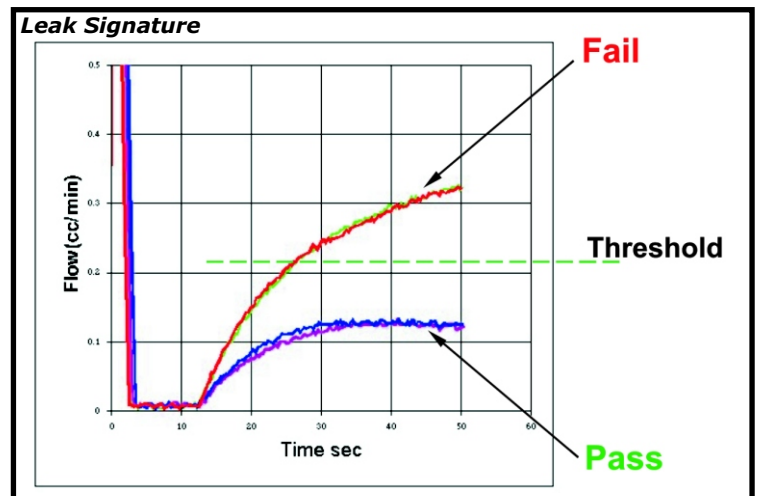
500 psid (DP) or max. range of pressure sensor, whichever is smaller.

GASES USED

Use dry non-condensing and clean gases
Air, Nitrogen, Helium, Argon, & Carbon Dioxide
Other Gases Available, consult ATC.

RESPONSE TIME

Step function: from no flow to full range - 50 ms or less
Sensor only, no volume



The COMPLETE Solution For Your Most Challenging Automatic Leak Flow Testing