

Micro-Flow Sensors

MODEL: IL2-HP High Pressure

Product Applications

- HIGH PRESSURE Applications
- Range: 500-2200 psig
- Leak Rates: 0.05-2 cc/min

Product Features

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



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-HP High Pressure

FLOW RANGE

0-1; 0-3; 0-5; 0-10; 0-25 cc/min (mL/min)
Sensor Type: Accelerated Laminar Flow (ALF)
Measurement Uncertainty: +/- 2% of reading, calibrated range

PRESSURE RANGE

0 TO 500; 1000; 2200 (psi-absolute)
Type: Absolute, micro-machined
Measurement Uncertainty: 0.3% of Full Scale (FS)
Maximum over Pressure: 1.2 times full range/scale

RESOLUTION

16 bits A/D and 16 bits D/A

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

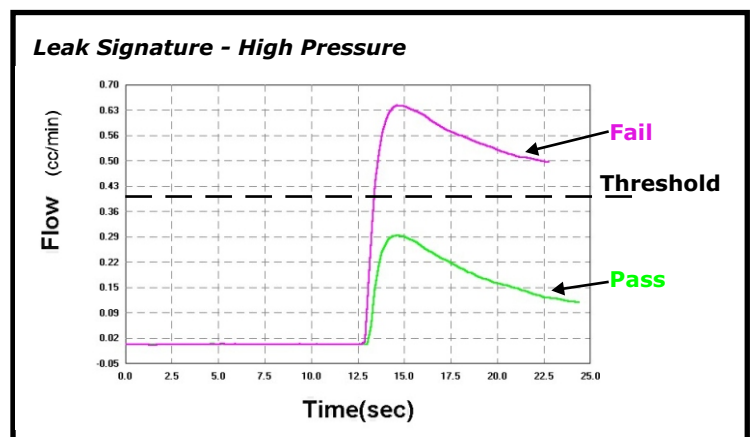
Step function: from no flow to full range - 50 ms or less
(Open outlet, dependent on sensor range)

TEMPERATURE RANGE

Operating and Calibrated: 10 to 45 °C
Storage: -25 to 50 °C
Sensor Type: RTD 100 Ohms
Measurement uncertainty at calibrated range: 0.5 °C

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



The COMPLETE Solution For Your Most Challenging Automatic Leak Flow Testing