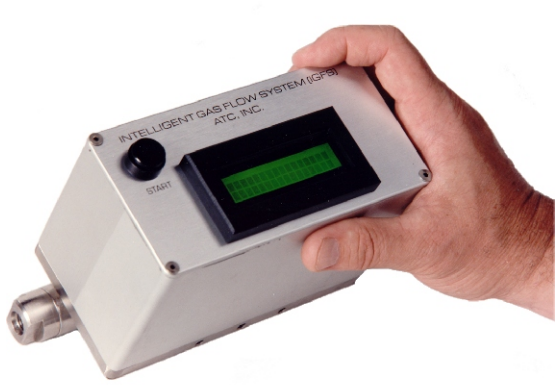
Flow Sensors - Standards

MODEL: IF2-C AND IF2-L

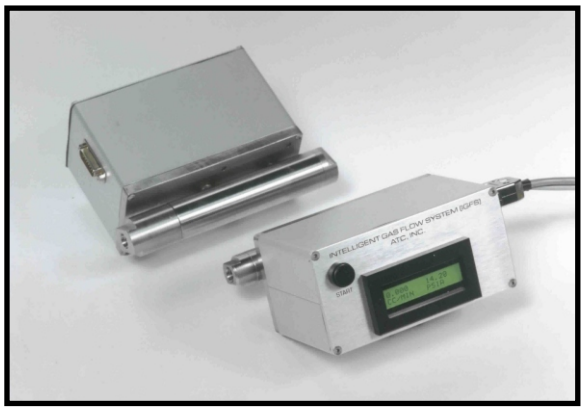
Product Applications

- Medium and low flow range measurement
- Portable transfer standard
- Calibration of Leak Test orifices and instruments
- Measurement of gas mixtures
- Pressure up to 500 PSIG



Product Features

- Intelligent Gas Flow Sensor (IGFS)
- Measures volume flow - using ATC's patented **ALF** design
- Dual range calibration, automatic range switches
- Measures absolute downstream pressure and temperature
- Optional: Compensation for various gas properties, temperature and viscosity
- Stainless steel rugged construction
- No moving parts
- No over-flow sensitivity
- Max. Differential Pressure: Up to 500 psi.



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Flow Sensors - Standards

MODEL: IF2-C AND IF2-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% (0.5% optional) of reading, volumetric flow, calibrated

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 to 45 °C (Higher temperature available, consult ATC)
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

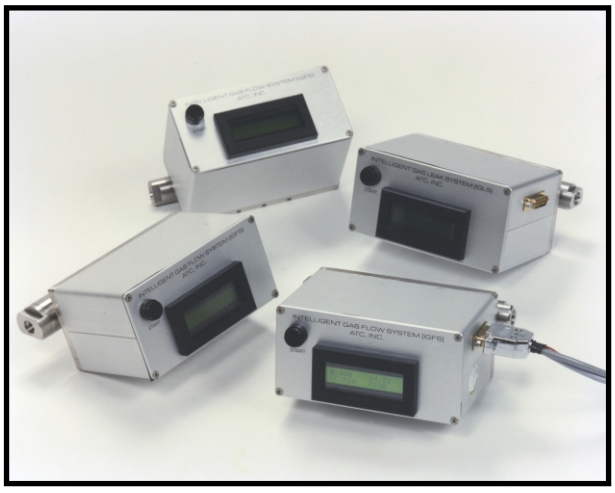
500 psid (DP) or max. range of pressure sensor, whichever is smaller.

GASES USED

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

RESPONSE TIME

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



ACCREDITED
CERTIFICATE NOs: 2197.01 & 2197.02

The COMPLETE Solution For Your Most Challenging Automatic Leak Flow Testing