



CAM FLO 1.0 ***Gas/Vapor Flow Sensors***

Vapor Flow Sensor – Preliminary

This preliminary data sheet describes the Cambria Thermal Dispersion Flow Sensor. The rugged transducer measures flow in the range of 1.5 to 65 feet per second (0.4 to 21m/sec) and temperature (option) with good accuracy and resolution. The unit is made of stainless steel, including all wetted parts and can be used in aggressive vapor environments.

Applications

- **Hydrocarbon Vapor Monitoring**
- **Vapor Recovery Systems**
- **Explosion/Hazardous Areas**
- **Critical Facilities**

Benefits

- **All Stainless Steel Wetted Parts**
- **2% accuracy**
- **+/- 2% linearity**
- **Excellent frequency response**
- **Conventional Fuel vapors, E15, E85**
- **Digital, Analog, 4-20ma outputs.**

Preliminary Specifications

Pressure range:	Differential, +/- 15 psi
Overpressure:	x2, x1.5 of pressure range
Operable sensor temp range:	-20°C to +50°C
Cable temperature:	-40°C to 85°C
Signal conditioner temperature:	-20°C to 55°C (150°F); model fl-Industrial
Delta-flow response:	Less than 1 second, typically 0.75 or less
Accuracy, Linearity & hysteresis:	±2% RSS FS at constant temperature (includes linearity, repeatability, and hysteresis)
Temperature coeff. of sensitivity:	Automatic correction
Signal to Noise ratio:	
Sensor output:	0.5-5 V
Sensor diagnostics output:	0 – 3.6V
Guaranteed service life time:	1 Million Cycles, 2 years.
Linearity:	±2.0% FS
Hysteresis:	1% FS
Repeatability:	±2% FS
Input port:	½ inch NPT internal
Response Time:	<1 sec
Case:	NEMA-4/IP65