

Vapor Detection Sensor – Preliminary

This preliminary data sheet describes the Cambria Vapor Detection Sensor. The rugged transducer detects most hydrocarbon vapors including gasoline, jet fuel, xylene, toluene, as well as natural gases with good accuracy and resolution. The unit is made of Delrin and aluminum including and can be used in aggressive vapor environments.

Applications

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

Benefits

- All Delrin and aluminum Parts
- 2% accuracy
- +/- 2% linearity
- Easy to use
- Conventional Fuel vapors, E15, E85
- Digital, Analog, 4-20ma outputs.



Preliminary Specifications

Measurement range:	Detects at 500 ppm
Sensitivity:	Variable with temp and pressure (chart available)
Operable sensor temp range:	0°C to +40°C
Delta response:	Less than 1 minute, typically 0.75 or less
Accuracy, Linearity & hysteresis:	±2%
Temperature	Automatic correction
Sensor output:	0.5-5 V
Sensor diagnostics output:	0 – 3.6V
Guaranteed service life time:	18 months.
Linearity:	±2.0% FS
Hysteresis:	Recovery time from minutes to several hours
Repeatability:	±2% FS
Input port:	½ inch NPT internal
Response Time:	<1 minute
Case:	NEMA-4/IP65