

EOS 100-5 Discriminating Sensors

Cambria's EOS 100 Series Discriminating Sensors use patented evanescent wave technology to detect the presence of liquids in secondary containment and to differentiate between hydrocarbons and aqueous solutions. Made of Delrin with no moving parts, this reliable sensor line features 5 independent and redundant detection points, offering very fast reaction and recovery times (~100ms).

Applications

- Secondary Containment
- Turbine Sump
- Hydrocarbon Monitoring
- Fuel-Alcohol-Water Discrimination
- Technology Approved by Calif. Water Board
- 3rd party Approved

Benefits

- Multi-level, with 5 detection sensors
- 1% accuracy at level detection
- Easy to use and easy to install
- Patented Anti-Tamper feature
- Remote configuration allowed
- Down-wire reprogramming
- Low Power
- Digital, Analog, 4-20ma, PWM outputs.



Preliminary Specifications

Type:	Discriminating, 5 levels, Fuel/Water/Alcohol
Technology:	Patented Evanescent IR Absorption
Operable sensor temp range:	-40°C to 60°C
Cable temperature:	-40°C to 85°C
Sensor output:	0.5 - 5 V Full data set streaming or at command
Sensor diagnostics output:	0 - 3.6 V. Sensor can be set to Full Interrogation, or data on demand. EOS100 Down-wire reprogramming, Configurable
Guaranteed service life time:	1 Million Cycles, 1 year.
Repeatability:	1%
Hysteresis:	1%
Dimensions:	9.5" length, 1.5 inch diameter
Connector:	Customer driven: 8 pin connector or 2 m cable pigtail
Response Time:	10 ms intrinsic: System response depends on output type
Case:	Delrin. NEMA-4/IP65
Approvals:	California Water Board, 3 rd party test, UL C1 Div 1 submitted