

## EOS 120 Discriminating Sensor

This data sheet describes the Cambria 120 Discriminating Sensor. The rugged low profile transducer detects water and fuel at five different levels, has excellent accuracy and high repeatability. The unit is made of Delrin and aluminum, including all wetted parts and can be used in aggressive vapor environments.

### Applications

- Secondary containment
- Turbine Sump
- Hydrocarbon monitoring
- Fuel-Alcohol-Water Discrimination

### Benefits

- Each level detects water or fuel independently
- Conventional Fuel, E15 and E85
- 1% accuracy at level detection
- Straight forward field calibration
- Patented anti-tamper feature
- Low Power
- UL Class 1 Div approved
- Streaming digital data
- RS232 output standard, RS485 available



### 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 input:	12 volts DC
Sensor output:	RS232
Guaranteed service lifetime:	1 Million cycles, 1 year
Repeatability:	1%
Hysteresis:	1%
Dimensions:	5" length, drops into 1.5" centralizing tube
Connector:	Customer driven: 8 pin connector or 2m cable pigtail
Response Time:	10ms intrinsic: System response varies by output type
Case:	Delrin. NEMA-4/IP65
Approvals:	UL Class 1 Div 1