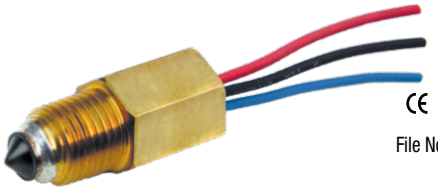
ELS-950M Series
Rugged Electro-Optic Level Sensors

The ELS-950M Series represents Gems' most compact alloy-housed electro-optic level sensors. They monitor a broad range of media including OHV type fluids.

Our UL-approved design features a brass housing, fused glass prism, and TPE insulated wires. They provide a durable, watertight, and environmentally resistant assembly, ideally suited for use in harsh environments including outdoors and engine bays. They offer excellent temperature and pressure capabilities. The ELS-950M is excellent for industrial OEMs requiring a solid-state sensor for small space and high temperature environments.



CE UL
File No. E108913

Specifications

Materials	
Housing	Brass
Prism	Fused Glass
O-Ring	Fluorocarbon (1/4˝ MNPT - None)
Electronics	Over-molded TPE
Operating Pressure	0 to 250 PSI (0 to 17 bar) maximum
Operating Temperature*	-40°F to +230°F (-40°C to 110°C)
Current Consumptions (No Load)	
5 VDC	4 mA No Load
12 VDC	10mA No Load
Output	Sink 40 mA max., up to 30 VDC
Repeatability	±1 mm
Lead Wires	3x TPE Insulated; 22 AWG
Approvals	CE, UL file No. E108913
	IP66/67 Rating

* These switches are not for use in freezing liquids or steam/high condensation environments. Contact Gems for alternative solutions.

How To Order

Specify Part Number based on Input and Output Condition required.

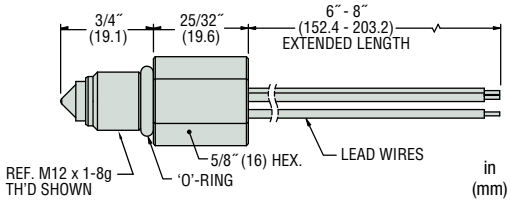
Input Power	Actuation Condition	Lead Wire Length	Mounting Type		
			1/4˝ MNPT	1/2˝- 20UNF-2B*	M12x1-8*
5 VDC ±10%	Wet	6 inches	**232175**	**232171**	**232179**
	Dry	6 inches	**232176**	**232172**	**232180**
12 VDC ±10%	Wet	6 inches	**232177**	**232173**	**232181**
	Dry	6 inches	**232178**	**232174**	**232182**

* Supplied with standard fluorocarbon o-ring.

Typical Applications

- Coolant reservoir monitoring and warning
- Low lubricant warning on machine tools, generator sets, on- or off-highway vehicles
- Low level warning in hydraulic reservoirs
- Leak detection for drip pans

Dimensions



Wiring Diagrams