

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.

Specifications

Materials					
Housing	Brass				
Prism	Fused Glass				
0-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 L	.oad)				
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				

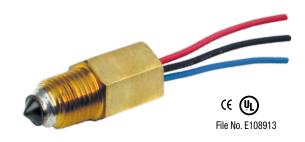
* These switches are not for use in freezing liquids or steam/high condensation environments. Contact Gems for alternative solutions.

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

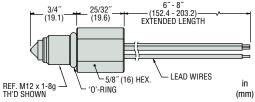
* Supplied with standard fluorocarbon o-ring.



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

