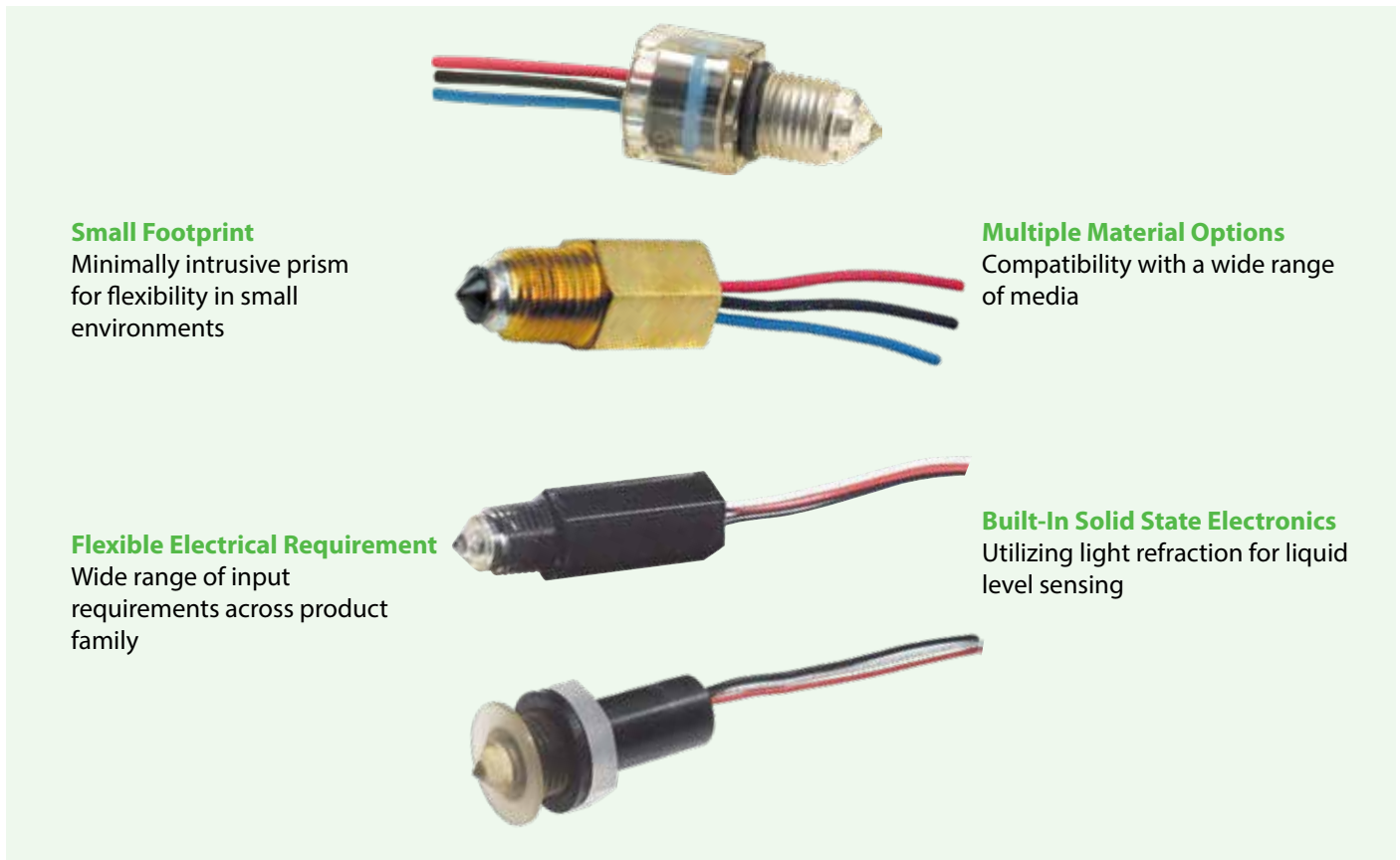


Versatile Electro-Optic level sensor excellent for small space and high temp environments.



Small Footprint
Minimally intrusive prism for flexibility in small environments

Multiple Material Options
Compatibility with a wide range of media

Flexible Electrical Requirement
Wide range of input requirements across product family

Built-In Solid State Electronics
Utilizing light refraction for liquid level sensing

Broad liquid compatibility

ELS Electro-Optic sensors come in various material options allowing this sensor family to perform across industry, in both water and oil based media.

General purpose

ELS Electro-Optic sensors are both compact and economical and perfect for general applications with moderate pressure and temperature where dependability and economy are a must.

Simple operating principle

The ELS contains an infrared LED and a light receiver. With no liquid present the LED is reflected within the prism. With liquid present, light is refracted into the liquid. Sensing the change, the receiver actuates to operate an external control circuit or alarm.

Compact design

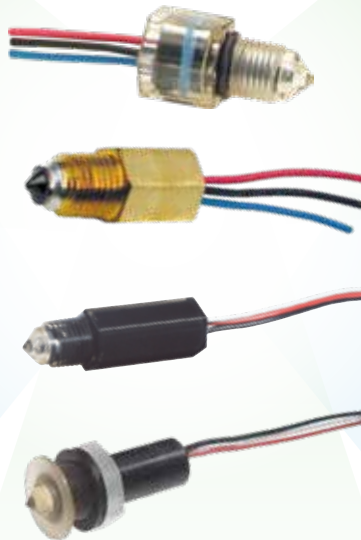
The ELS is designed to meet the need for less intrusive sensors to detect fluid in the smallest environments.

Designed to Meet the Needs of General Industry



Medical Diagnostic and Sterilizer Equipment

ELS ELECTRO-OPTIC LEVEL SENSOR



Low Lubrication Warning on Machine Tools and Generators



Hydraulic Detection on Specialty Vehicles

Additional Applications: Leak Detection for Drip Pans and Low Water Warning in Hydraulic Reservoirs



Lubrication Detection on Off Highway Vehicles

ELS Electro-Optic Competitive Advantages

- ✓ **Compact Design** – Small footprint to provide maximum flexibility for system designers
- ✓ **Simple Reliable Technology** – Solid state level sensing using an infrared LED
- ✓ **Multiple Mounting Options** – ELS Optic Sensors can be incorporated into many different tank designs
- ✓ **Chemical Compatibility** – Multiple housing materials ensure compatibility for various media
- ✓ **Cost Competitive** – Economic solution for general industry

ELS Electro-Optic Options

- ✓ **Actuation Condition:**
 - Wet or Dry Sink
- ✓ **Electrical Connections:**
 - Flying leads
 - Electrical connector options available on request – contact the factory
- ✓ **Mounting Type:**
 - 1/4" NPT
 - 1/2" -20UNF
 - M12x1
 - 3/8" NPT
 - Flange

Visit GemsSensors.com to view our full range of level sensing products



ELS-1150



XLS-1



CAP-300



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