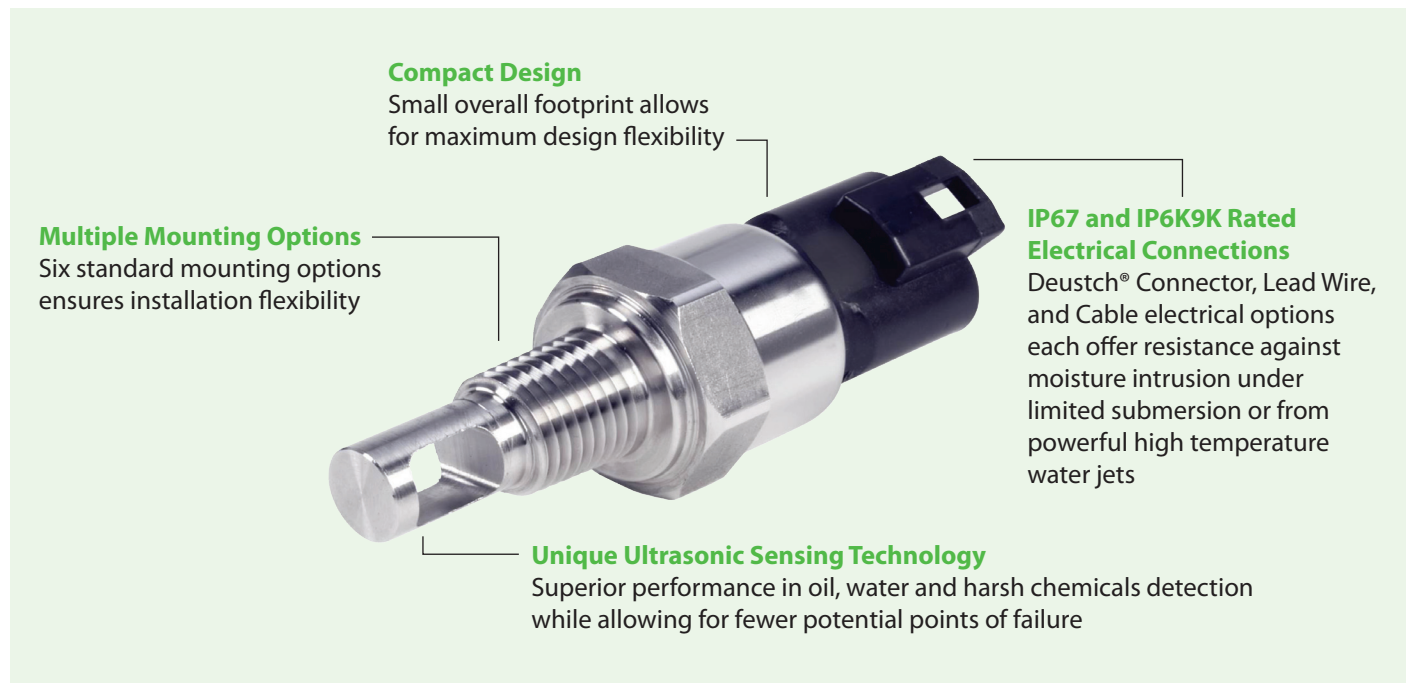


Rugged ultrasonic level sensor that stands up to oil, harsh chemicals, shock and vibration.

XLS-1: Designed for reliable performance in challenging applications



Advanced ultrasonic level sensing technology

Uniquely designed to reduce customer downtime, the rugged and compact XLS-1 with microcontroller has no moving parts and reliably senses oil, water and harsh chemicals while ignoring foam and condensation.

Moisture protection reliability for indoor and outdoor applications

In addition to meeting IP67, Gems XLS-1 meets IP6K9K – a more stringent requirement for high-pressure/high-temperature wash downs. The industry leading IP standard reduces customer worry about moisture ingress in tough environments.

Multiple thread options

The XLS-1 product line offers six (6) standard thread options for ease of installation. The multiple thread options reduces design constraints and enables customers with complex systems to avoid lengthy design changes.

Extensive pretesting reduces engineering cost and time to market

The XLS-1 comes pretested to industry-leading load (15 G), temperature (-40°F to 257°F/-40°C to 125°C), vibration (10 to 2000 Hz) and pressure (250 psi with capability up to 500 psi – consult factory) standards to reduce your overall product testing.

Ready to Serve Your Most Demanding Applications



Specialty Vehicles
Handles powerful wash downs.



Municipal Safety
Designed to be dependable even with intermittent heavy use.



Agricultural
Dependable performance in unique chemical exposures.



Mining & Construction
Proven durability in high shock and vibration environments.



Printing
Small footprint, lets XLS-1 easily fit into existing systems.

XLS-1 Competitive Advantages

- ✓ **Compact Design** – The XLS-1 with microcontroller provides maximum flexibility for equipment designers
- ✓ **Extensive Pretesting** – Ensures superior performance and reliable sensing in harsh environments
- ✓ **Multiple Mounting Options** – XLS-1 can be incorporated into a vast range of applications
- ✓ **Unique Ultrasonic Sensing Technology** – Reliably sense oil, water and harsh chemicals while ignoring foam and condensation
- ✓ **IP67 and IP6K9K Rated Electrical Connections** – XLS-1 can stand up to demanding applications

XLS-1 Options

- **Actuation Condition:**
 - Wet Sink or Dry Sink
 - Wet Source or Dry Source
- **Electrical Connections:**
 - Integral 3-pin Deutsch® Connector
 - 18 AWG, 12"-14" Extended Flying Leads
 - 12"-14" PVC Cable
- **Mounting Type:**
 - M12 x 1.0 (TYPE 10)
 - 1/2" – 14 NPT (TYPE 12)
 - 1/4" – 18 NPT (TYPE 14)
 - M12 x 1.5 per ISO6149-3 (TYPE 15)
 - 1/2" – 20 per SAE J1926-3 (TYPE 20)
 - G1/4" – 19 BSPP (TYPE 24)

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



CAP-300
Low Coolant Level



ETS Series
Temperature Sensors



ELS-1150
Electro-Optical Liquid Level



LS-7
Float Reed Switch



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