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.

**Multiple mounting options**
Six standard mounting options ensures installation flexibility

**Compact Design**
Small overall footprint allows for maximum design flexibility

**IP67 and IP6K9K Rated Electrical Connections**
Deutsch® Connector, Lead Wire, and Cable electrical options each offer resistance against moisture intrusion under limited submersion or from powerful high temperature water jets

**Unique Ultrasonic Sensing Technology**
Superior performance in oil, water and harsh chemicals detection while allowing for fewer potential points of failure

**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.
XLS-1 ULTRASONIC LEVEL SENSOR

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.

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**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

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