

Legacy Products Cross-Over

With the **NEW** ULS-200 Solid-State Point-Level Sensor

The following outlines legacy products that the new ULS-200 may replace. Please review all known application specifications prior to switching to the ULS-200. In certain applications, remaining with the existing legacy product may be the best option due to application specifics including but not limited to temperature, pressure, or approvals to name a few.

Key Benefits and Features of the ULS-200

The solid-state point-level sensor was developed for aqueous, oil and hydrocarbon applications. Advanced sensor technology encapsulates the best of what many existing sensor types offer in a single sensor.

- **Reliable**
Accurate and repeatable point-level detection using advanced sensing technology with electronic solid state switching
- **Durable**
ULS-200 can withstand harsh conditions and outdoor environments with IP6k9k rating, wide temperature range, and high-pressure capability
- **Versatile**
Mount the ULS-200 at nearly any angle and configure with a built-in time delay to fit your application

Technology Comparison Chart

- Does Not Support
- Somewhat Supports
- Fully Supports



| | | FLOAT-TYPE | TYPICAL CAPACITIVE-TYPE | ELECTRO-OPTIC | ULTRASONIC | ULS-200 | |
|-------------------|-----------------------|----------------------|-------------------------|---------------|------------|---------|---|
| SENSOR ATTRIBUTES | MEDIA DETECTED | Aqueous | ● | ● | ● | ● | |
| | | Hydrocarbon | ● | ○ | ● | ● | |
| | | Low Dielectric | ● | ○ | ● | ● | |
| | ENVIRONMENTAL | High Humidity | ● | ● | ○ | ◐ | ● |
| | | High Pressure | ● | ● | ● | ● | ● |
| | | High Reflection | ● | ● | ○ | ● | ● |
| | | High Viscous | ○ | ● | ◐ | ◐ | ● |
| | SPECIAL CONSIDERATION | Build-Up Prevention | ○ | ● | ◐ | ◐ | ● |
| | | Mounting Orientation | ○ | ◐ | ◐ | ◐ | ● |
| Time Delays | | ○ | ○ | ○ | ○ | ● | |

CAP-300 Series Capacitive Level Sensor



| PROS | CONS |
|--|--|
| <ul style="list-style-type: none"> Five thread sizes Three electrical connection options Almost any mounting orientation Under 3" overall length | <ul style="list-style-type: none"> Only senses water-based media Low maximum pressure @ 100 PSI No time delay |

ELS-1150 Series Electro-Optic Level Sensor



| PROS | CONS |
|--|---|
| <ul style="list-style-type: none"> Nickel plated or 316L stainless steel construction Minimal intrusion of prism inside tank Under 2" overall length Wide temperature and pressure range | <ul style="list-style-type: none"> Very limited to environmental and conditional factors Glass prism Limited mounting orientation Two thread sizes Only flying leads or cable options No time delay |

XLS-1 Series Ultrasonic Level Sensor



| PROS | CONS |
|---|---|
| <ul style="list-style-type: none"> Six thread sizes All 316L stainless steel body and probe Approximately 3" overall length Integral electrical connections | <ul style="list-style-type: none"> Limited mounting orientation Lower maximum pressure @ 250 PSI Limited to environmental and conditional factors No time delay |

LS-7 Series Float Level Switch



| PROS | CONS |
|--|---|
| <ul style="list-style-type: none"> Low cost Many mounting types & thread sizes Many plastic and alloy materials available | <ul style="list-style-type: none"> Limited mounting orientation Relies on specific gravity of liquid Reed switch and mechanical parts prone to wear No time delay |