

The Best of What Existing Sensor Types Offer All-in-One Sensor Technology

ULS-200: Developed For the Most Rugged Aqueous, Oil, & Hydrocarbon-Based Applications

Trouble-Free Output, No Moving Parts

Solid-State, Sinking or Sourcing, Wet or Dry Signal

Compact Construction

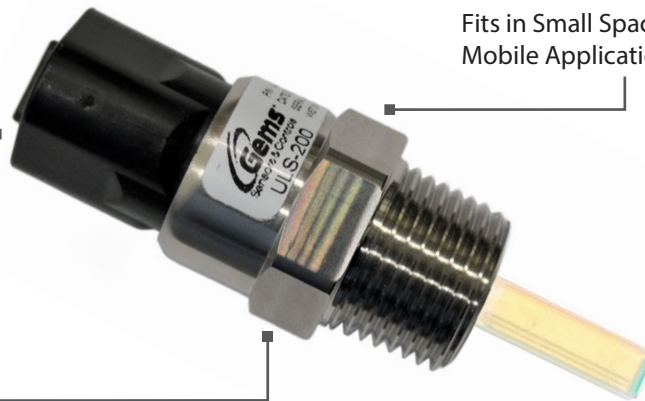
Fits in Small Spaces, Ideal for Mobile Applications

Wash-Down & Dust Ingress Protection

IPX7 & IP6K9K Direct-Spray Rating for Outdoor Use in Harsh Environments

Various Time Delays

No Delay, 3 Sec, 5 Sec, or 10 Sec Configurations



Great For Outdoor & Harsh Environments

The ULS-200's sealed construction meets the IP6k9k rating for high-pressure wash-downs. It covers a wide temperature range of -40° F to +257° F (-40° C to +125° C) and a high-pressure range of 300 PSIG (20 bar) to meet the most extreme conditions. Shock and vibration resistance makes the ULS-200 the best choice for mobile applications.

No Moving Parts

The ULS-200 level sensor utilizes a solid-state output for point-level sensing with high accuracy and repeatability. Without mechanical moving parts, the sensor lasts much longer than common float-type switches which are prone to wear and can fail over time.

Built-In Time Delays

Configure the ULS-200 for no delay, 3 sec, 5 sec, or 10-second delays to fit your application requirements. Well suited for mobile equipment to prevent false signals caused by sloshing or turbulence. These are standard configurations available when ordering – not specials!

One Sensor, One Solution

The Gems' ULS-200 works with a wide variety of media. It eliminates failure caused by moving parts and works well in high-viscous, high-pressure, humid, and reflective applications. It does not rely on specific gravity or conductivity, eliminating many of the limitations and failures inherent to other sensing technologies.



ULS-200 Solid-State Level Sensor

One Sensor Fits Many Critical Applications



Construction



Emergency Vehicles



Buses & Recreational



Agriculture



Water & Wastewater



Power Generation



Renewable Energy



HVAC



✓ Brake Fluid



✓ Engine Oil



✓ Radiator Coolant



✓ Washer Fluid



✓ Hydraulic Oil



✓ Transmission Fluid



✓ Tank Level

ULS-200 Specifications

- ✓ **Configuration Options**
 - Wet or Dry
 - Sinking or Sourcing
 - Time Delay on Rising or Falling
 - High or Low Dielectric
- ✓ **Physical**
 - 1/4"-18 NPT, 1/2"-14 NPT, G1/4"-19 B, M12x1.5-6g
 - 3 Pin Deutsch, M12 Connector*
 - 316L Stainless Steel or Brass Housing
 - PVDF (Aqueous) or PBT (Hydrocarbon) Sensing Element
- ✓ **Environmental**
 - Up to 300 PSIG
 - -40° F to +257° F (-40° C to +125° C)
 - IPX7 & IP6K9K Ingress Protection
- ✓ **Electrical**
 - 9-32 VDC Supply
 - 6 mA Max Current Consumption (No Load)
 - Solid-State Output 9-32 VDC, 300 mA Max

ULS-200 Competitive Advantages

- ✓ **Reliable** – Accurate and repeatable point-level detection using advanced sensing technology with electronic solid-state switching
- ✓ **Durable** – Withstands harsh conditions and outdoor environments with IP6K9K rating, wide temperature range, and high-pressure capability
- ✓ **Time Delays** – Standard configurations include: No delay, 3 sec, 5 sec, or 10-second time delays**
- ✓ **Approvals** – CE, RoHS

*M12 electrical connector available later in 2024, contact Gems for more information **Time Delays are from the sensor switching states to signal output

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