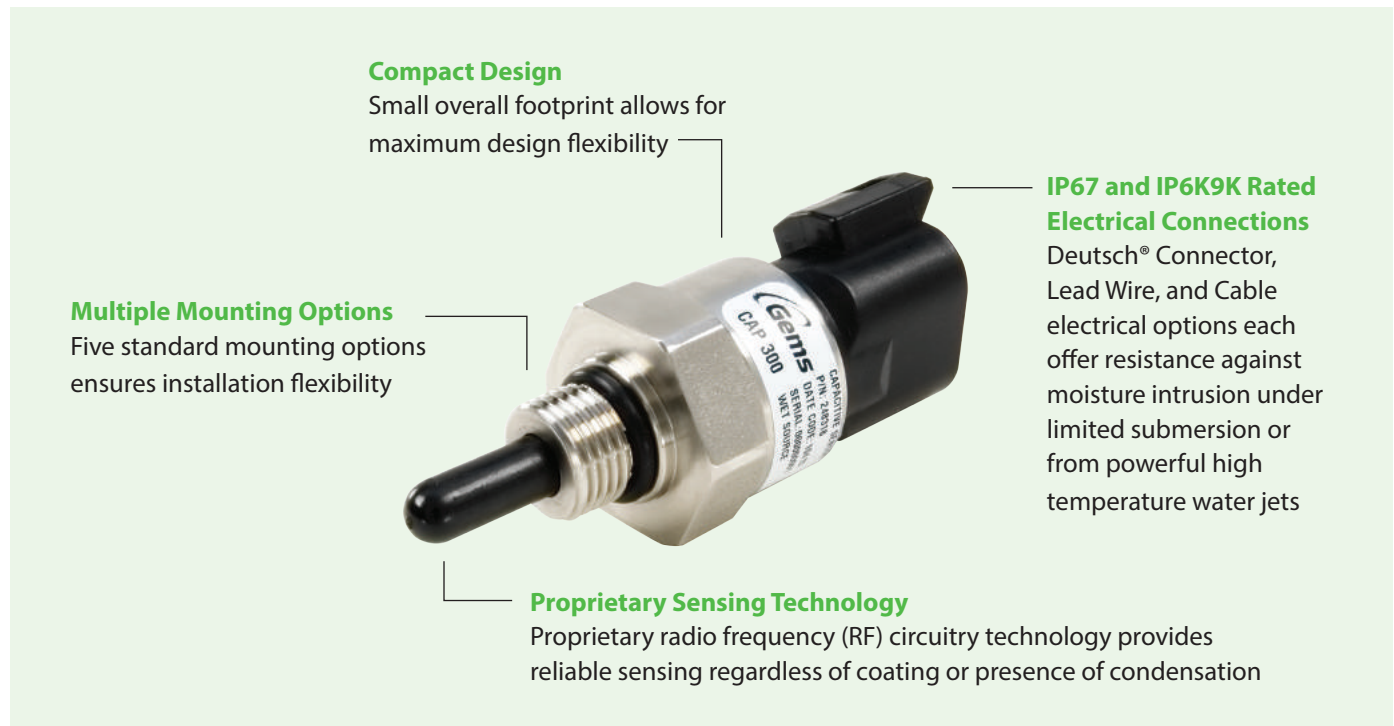


Durable, reliable and compact capacitive level sensor that stands up to tough coating.

CAP-300: Developed for the most rugged aqueous applications



Proprietary radio frequency sensing technology

CAP-300 has proprietary radio frequency (RF) circuitry that minimizes false readings caused by coating of the sensor probe. The sensor's protruding proprietary Versaplast™ electrode detects the presence or absence of the liquid medium and actuates a solid state switched output. The sensor is optimized to detect aqueous liquids commonly used in cooling and heating applications despite the presence of heavy coating.

Multiple thread options

The CAP-300 product line offers five (5) standard thread options for ease of installation. The multiple thread options reduce design constraints and enables customers with complex systems to avoid lengthy design changes.

Meets standards to multiple industries

CAP-300 is factory tested and validated to stringent OHV standards to reduce customer validation period and time to market. It endures high shock and vibration testing to Mil-STD-202G, salt spray, thermal shock, and electrostatic discharge. NSF/ANSI 169 compliant models are also available for use with water, coffee and dairy.

Reliable moisture protection for indoor and outdoor applications

In addition to meeting IP67, Gems CAP-300 meets IP6K9K – a more stringent requirement for high-pressure/ high-temperature wash downs. The industry leading IP standard increases sensor reliability in tough environments. The CAP-300's sealed design ensures there is no fluid intrusion.

Ready to Serve Your Most Demanding Applications



Transportation
Handles powerful wash downs.

CAP-300 CAPACITIVE LEVEL SENSOR



Available in brass and 316L SS



Medical
Small footprint.



Power Generation
Reliable coolant level sensing.



Food & Beverage
NSF/ANSI 169 compliant models available.



Off Highway Vehicles
Factory tested to stringent OHV standards.

CAP-300 Competitive Advantages

- ✓ **Compact Design** – The CAP-300 with microcontroller provides maximum flexibility for equipment designers
- ✓ **Rigorous Testing** – Tested to typical OHV requirements; Ensures superior performance and reliable sensing in harsh environments
- ✓ **Multiple Mounting Options** – CAP-300 can be incorporated into a vast range of applications
- ✓ **Reliability** – Reliably senses water and harsh chemicals while ignoring foam, coating and condensation
- ✓ **IP67 and IP6K9K Rated Electrical Connections** – CAP-300 can stand up to demanding applications
- ✓ **Wide Operating Temperature Range** – CAP-300 can be configured to withstand temperatures from -40°C to 125°C

CAP-300 Options

- **Actuation Condition:**
 - Wet Sink or Dry Sink
 - Wet Source or Dry Source
 - Diagnostic outputs for OEM applications available upon request
- **Electrical Connections:**
 - Integral 3-pin Deutsch® Connector
 - 18 AWG, 12"-14" Extended Flying Leads
 - 3' Standard Cable
 - Custom options available upon request
- **Mounting Type:**
 - 1/4" – 18 NPT (TYPE 14)
 - 1/2" – 14 NPT (TYPE 12)
 - 1/2" – 20 per SAE J1926-3 (TYPE 20)
 - M12 x 1.0 (TYPE 10)
 - M12 x 1.5 per ISO6149-3 (TYPE 15)
 - Others available upon request

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



XLS-1
Ultrasonic Level Sensor



ETS Series
Temperature Sensors



ELS-1150
Electro-Optical Liquid Level



LS-7
Float Reed Switch



Global Corporate Headquarters

Toll-Free: +1-855-877-9666 Outside the US: +1-860-747-3000

www.gemssensors.com