

■ Switches

Electro-Optic

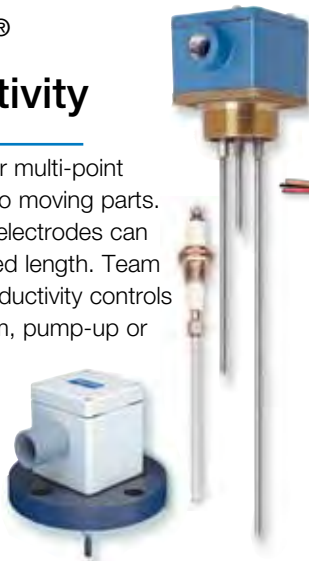
Industry's largest selection of electro-optic liquid level sensors is right here at Gems. Compact design for a small footprint anywhere space is at a premium. Solid-state switching and no moving parts ensures dependability over long service life.



■ Switches

Warrick® Conductivity

These single- or multi-point sensors have no moving parts. Stainless steel electrodes can be cut to desired length. Team with Gems conductivity controls to provide alarm, pump-up or pump-down control in electrically conductive liquids.



■ Switches

Capacitance Level Sensors

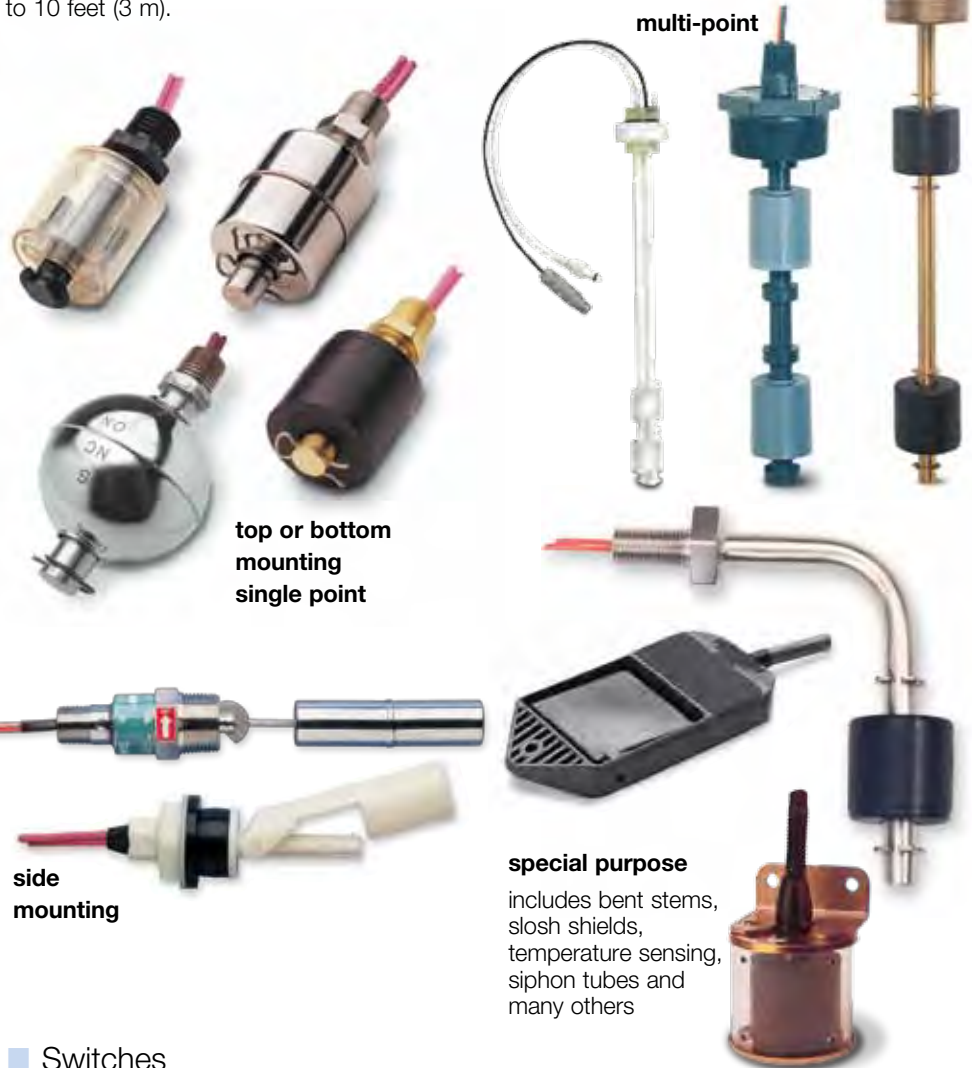
An excellent choice for turbulent or coating liquids, Gems offers multiple solid-state capacitance point level switches, including non-contact versions that sense liquid level from the outside of non-metallic vessels. Heavy duty CAP-300 is designed for off-highway vehicles and power generator coolant monitoring.



■ Switches

Float

Available in a vast range of sizes, mountings and materials, Gems offers the broadest selection of float-type level switches anywhere. Using a proven reed switch design, float type switches deliver long, trouble-free service with precise repeatability. They are available in both single point and multi-point configurations. Multi-point switches monitor up to six levels with a single unit; lengths from a few inches (centimeters) to 10 feet (3 m).



multi-point

top or bottom mounting single point

side mounting

special purpose includes bent stems, slosh shields, temperature sensing, siphon tubes and many others

■ Switches

High Purity

Gems high purity sensors are designed for ultra-pure fluid applications. PTFE and PVDF resist build-up of foreign material and sticky media. These high-purity level sensors come in single, multi-point, float and electro-optic types.



■ Switches/Transmitters

Ultrasonic

Gems ultrasonic switches and transmitters are ideal for applications requiring solid-state level measurement such as those with ultrapure, dirty, coating, scaling or corrosive-type liquids. Available in contact and non-contact single point, or multi-point versions. Up to four actuation levels or continuous measurement to 26 feet (8 m). Also available for small tanks less than 4 ft. (1.2 m). Made of polypropylene, PVDF, PFA.



■ Switches

WIF-1250

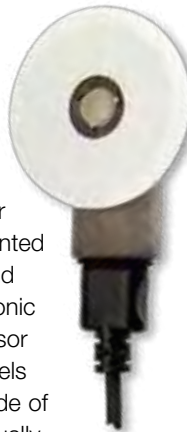
This solid-state sensor is an innovative, no-moving-parts solution specifically designed to detect the presence of water in fuel. The sensor is an ideal solution for OEM's of off-highway vehicles, locomotive and generator sets. It is also ideal for use with fuel filters, and in compressor crank cases to determine if water is present in lubricating oil.



■ Switches

Non-Intrusive

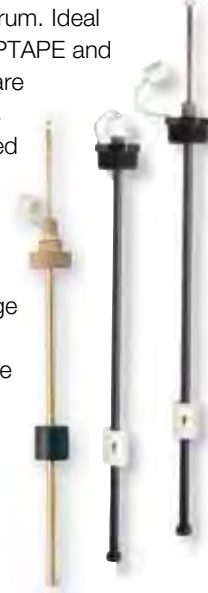
The ExOsense™ sensor is a break-through in liquid sensor technology. The unique, patented piezo-resonant transducer and microprocessor based electronic control module allow the sensor to accurately detect liquid levels non-intrusively from the outside of plastic bottles. ExOsense virtually eliminates all concerns over sensor compatibility, calibration and liquid media contamination.



■ Indicators

DIPTAPE™ and DRUMTAPE™

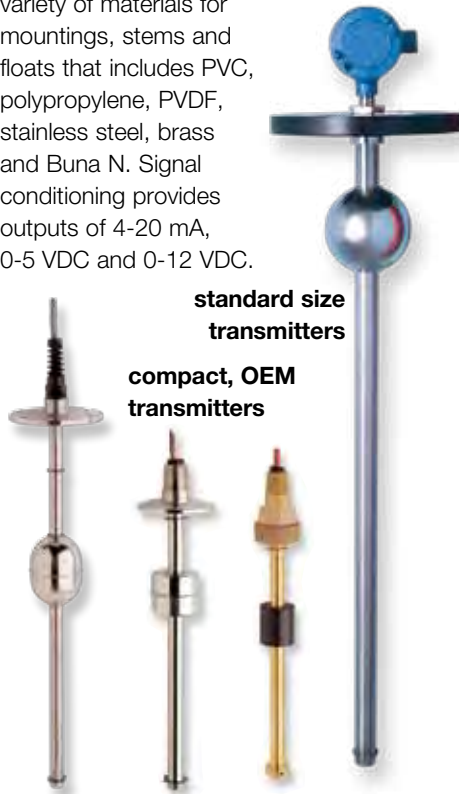
Pop the cap, pull the tab—and up comes the tape to tell you exactly how much liquid remains in the tank or drum. Ideal for hazardous areas, DIPTAPE and DRUMTAPE indicators are non-electric, plus liquids and vapors remain sealed from the atmosphere. DIPTAPE indicators are designed for tanks; DRUMTAPE indicators fit 30 or 55 gallon storage drums. DIPTAPE and DRUMTAPE are available in alloy, all PVC and engineered plastic versions.



■ Transmitters

Float

Standard lengths offer measurement from a few inches (centimeters) to 18 feet (5.5 m). Choose from a variety of materials for mountings, stems and floats that includes PVC, polypropylene, PVDF, stainless steel, brass and Buna N. Signal conditioning provides outputs of 4-20 mA, 0-5 VDC and 0-12 VDC.



■ Transmitters

Magnorestrictive

These robust transmitters are particularly ideal where extremely accurate level measurement is required; providing accuracy to within ±0.2mm, and a resolution better than 0.1mm. The temperature-compensated signal output is 4 to 20 mA. These units are available in lengths ranging from 8" to 157" (200 to 6,000 mm). The HART protocol version allows dual float tracking, and the explosion-proof version enables operation in Category 1 (Zone 0) or Category 1/2 environments.



■ Visual Level Indicators

SureSite®

A more durable and safer alternative to breakable sight glasses. SureSite visual level indicators feature stainless steel, alloy or engineered plastic housings that mount externally to top or sides of tanks to provide easy-to-read, continuous level gauging. Magnetic flags flip to change color as an internal float moves with the liquid surface. Optional switches, transmitters and scales increase control capabilities. Available in alloy and engineered plastic.

