

# LifeGuard™ Point Level Sensor

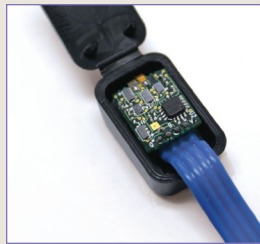
Precise, non-invasive liquid level detectors used to monitor key liquid levels in reservoirs.

Proven and reliable liquid level monitoring technology in an all new package.

The LifeGuard Point Level Sensor from Moog successfully integrates proven and reliable technology in an extremely small and versatile package. The LifeGuard Point Level Sensor provides continuous liquid level monitoring and can be mounted using our unique disposable, self-adhering mounting bracket, or by integrating the sensor into the customer's product. Moog's patented design enhances ease of use by enabling the sensor to be acoustically coupled to the outside of a rigid vessel wall without the use of coupling gels.



*LifeGuard Point Level Sensor shown actual size.*



*LifeGuard Point Level Sensor showing all electronics integrated into the sensor housing.*

The LifeGuard Point Level Sensor is designed for far wall sensing on reservoirs ranging from 0.3" to 5.0" (7.6 mm to 127.0 mm) or near wall sensing based on customer's specific requirements. All LifeGuard level sensor electronics are integrated into the sensor housing, ready to interface with the user's system. Moog engineers can tailor our sensors to work with your specific reservoir.

## Features of all LifeGuard Point Level Sensors:

- ▶ Sensors maintain precise sensitivity without calibration
- ▶ All electronics are integrated into the sensor housing
- ▶ Integrated self-test function provides 100% single fault coverage
- ▶ Includes dry coupling polymer on mounting face
- ▶ Sensor operation can be customized at the factory with minor PCB modification
- ▶ Low power: 14-40 mW



*The LifeGuard Point Level Sensor shown mounted using disposable, self-adhering mounting bracket.*

	LifeGuard Point Level Sensor
<b>Order Number:</b>	Sensor: 29366-001 Mounting Bracket: 40348-001
<b>Ranges:</b>	Standard Range: 0.3" - 5.0" (7.6 mm - 127.0 mm) Near Wall: Customizable for odd shaped reservoirs or sound absorbing contents
<b>Sensor Dimensions:</b>	Sensor Only: 0.450" x 0.700" x 0.340" (11.4 mm x 17.8 mm x 8.6 mm) Sensor with Disposable Mount: 0.875" x 1.075" x 0.460" (22.2 mm x 27.3 mm x 11.7 mm)
<b>Mounting:</b>	Standard: Disposable, self-adhering mounting bracket with removable "click-on" retaining cover mounts on flat surface or curved surface with radius of $\geq 3$ inches (76.2 mm) Custom: Mounting mechanism designed according to customer specifications
<b>Operating Conditions:</b>	10° to 50° C 0% to 90% relative humidity
<b>Supply Voltage:</b>	2.7 - 5.0 VDC
<b>Supply Current:</b>	5.0 - 8.0 mA