

# Highly Accurate, Rugged Guided Wave Radar Level Sensor for Marine & Industrial Applications.

*RLI-G designed for reliable performance in challenging applications*

## Time domain reflectometry (TDR) sensing technology

Superior performance of continuous level measurement for conductive and non-conductive liquid applications



## Multiple mounting options

Six standard mounting thread and flange options ensure installation flexibility

## Wide range of probes

Single or twin rod and cable options plus coaxial probe design to adapt to all applications

## Ability for low dielectrics

Product options to sense dielectrics as low as 1.4

## Advanced radar level sensing technology

Guided Wave Level Transmitter designed for accuracy of  $\pm 0.2$  inches of liquid measurement independent of dielectric constant, temperature, pressure and density variations. Using twin cable or rod options, deadband is minimized.

## Adaptable indication to fit all tanks

Using the removable, integral graphic display and free downloadable program, the RLI-G will produce an accurate 4-20 mA output signal for continuous tank level monitoring. HART output ability also included with each unit.

## Multiple mounting and probe options

The RLI-G product line offers six standard mounting options for ease of installation. The multiple mounting options eliminate design constraints and enable adaptability to customer's tanks. The variety of probe options expand the product line's ability to sense a wide range of liquid dielectric.

## Durable construction for application suitability

To meet customer's application demands for rugged product, the RLI-G product line is designed for compatibility with high process temperature and pressure ranges as well as meeting IP67 moisture ingress protection.

# Ready to Serve Your Most Demanding Tank Applications

## RLI-G / GUIDED WAVE RADAR LIQUID LEVEL SENSOR

### MARINE APPLICATIONS:



**Tug boats • Articulated tug boat (ATB)  
Ferry • Fire boats • Yacht  
Off-shore vessel (OSV) • Freighter**

Ballast • Fuel • Potable Water  
Waste • Fire Fighting Foam

### INDUSTRIAL APPLICATIONS:



**Day Tank • Storage • Processing**

Water • Condensate • Lube & Hydraulic Oil  
Coolants • Solvents • Feedwater



## RLI-G Competitive Advantages

- ✔ **LCD Display Module** – The RLI is complete with a plug-in module to assist in programming and displaying measured values in numerical and bar graph form
- ✔ **Time Domain Reflectometry (TDR) Sensing Technology** – RLI pulses are sent down the probe at the speed of light
- ✔ **Multiple Sensing Probe Options** – RLI is suitable for a wide range of liquid dielectric (as low as 1.4)
- ✔ **Multiple Mounting Options** – RLI can be incorporated into a vast range of applications
- ✔ **IP67 Ingress Protection** – RLI can stand up to demanding environments

## RLI-G Options

- **Output Options:**
  - 2-wire 4-20 mA
  - 4-wire 4-20 mA + HART
- **Mounting Types:**
  - 1" & 1 1/2" NPT or BSP thread
  - 1 1/2" Triclamp fitting
  - ANSI flanges
  - Contact factory for other available options
- **Probe Options:**
  - Mono rod or cable
  - Twin rod or cable
  - Coaxial
- **Options Also Include:** Replacement module and downloadable configuration software

Visit [GemsSensors.com](http://GemsSensors.com) to view these related products.



LS-270 Series Level Switch



XM/XT-800 Float Type Continuous Level Sensor



SureSite (mini & LED)



Submersible Pressure (2600 Series & 5000 Series)



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