



# Ultrasonic Fuel Level Sensor

The **Sigma ultrasonic fuel level sensor** is a device primarily used to measure the level of LNG (propane-butane) in reservoirs, including LNG fuel in the tanks of vehicles. The sensor is fastened to the bottom of the tank and does not have direct contact with the liquid. The device also can be used to measure the level of any other fluids, like liquid fuels or water.

## Applications

- Fuel level measurement
- Any fluid level measurement

## Key Features

- IP67 protection rating
- Wide operating temperature and voltage ranges

## Compatibility

✓ HCV5	✓ LCV5	✓ Pro5	⊘ Trace5
✓ FM-Tco4 HCV	✓ FM-Tco4 LCV	✓ FM-Pro4	⊘ FM-Eco4 RS T
⊘ FM-Eco4	⊘ FM-Eco4 S	⊘ FM-Eco4 T	⊘ FM-Plug4

## Detailed specifications

### Environmental specifications

<b>Temperature range</b>	-40 to +70 °C
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### Electrical specifications

<b>Power supply range</b>	9 – 36 V DC
<b>Maximum current consumption</b>	70 mA

### Technical specifications

<b>Maximum angle of inclination</b>	12 degrees
<b>LNG balloon wall thickness range</b>	1.5 – 4 mm
<b>Sensor resolution</b>	1 L
<b>Interface</b>	RS485
<b>Measurement range</b>	20 – 600 mm
<b>Fuel level measurement output data width</b>	10, 12, 16 bit
<b>Temperature measurement output data width</b>	8 bit
<b>Application</b>	For liquid fuel, LNG, water and other fluids measurement

### Physical properties

<b>Dimensions</b>	26 x 11 mm
<b>Housing</b>	IP67

## Ordering information

<a href="http://www.sigma-gbo.com/">http://www.sigma-gbo.com/</a>	SIGMA ultrasonic level sensor
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