

Ultrasonic Fuel Level Sensor "Sigma"

Data Sheet v1.0
2017-04-13



- IP67 protection rating
- Wide operating temperature and voltage ranges
- Wide application possibilities

Introduction

Sensor is primarily used to measure 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.

Specifications	
Power supply	9 ~ 36 V DC
Max. current consumption	70 mA

Common specifications	
Sensor can be used with	Liquid fuels, LNG, water, other fluids
Max. angle of inclination	12 degrees
LNG balloon wall thickness range	1,5 ~ 4 mm
Operating temperature range	-40 °C ~ +70 °C

Measurements	
¹ Sensor resolution	1 L
² Measurement range	20 ~ 600 mm
Interface	RS485
Fuel level measurement output data width	10, 12, 16 bit
Temperature measurement output data width	8 bit

¹Sensor readings are considered to be correct 30 seconds after refueling and when the vehicle is in horizontal position.

²If the fuel level is below the lower limit of the measuring range, incorrect sensor readings are possible. It is recommended to refuel without waiting for the fuel level to reach the lower limit of the measuring range.

Legal information

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Physical properties

Diameter 26 x 11 (mm)
IP rating IP67

Product family

- Ultrasonic fuel level sensor

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