



# RCS-Epsilon EN Fuel Level Sensor

The **RCS-Epsilon EN** fuel level sensor is a capacitive sensor for the fuel management – monitoring fuel level, fuel consumption and preventing fuel theft. Additionally, it has an inclinometer, which provides information about the tilt angle of the vehicle. It is also possible to connect multiple sensors with digital interfaces and to determine the total fuel level if the vehicle has several fuel tanks.

## Applications

- Fuel level measurement and control for diesel heavy duty commercial vehicles

## Key Features

- Accurate measurement results
- Digital (RS232, RS485 interface) and analogue measurements
- Robust, vibration-resistant design
- Dry and wet calibration
- High operational safety
- Remote configuration and updates

## 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

### Electrical specifications

<b>Power supply voltage</b>	12 to 24 V DC
<b>Current consumption</b>	5.5 ± 0.5 mA @ 12 V DC 2.5 ± 0.2 mA @ 24 V DC

### Technical specifications

<b>Temperature range</b>	-40 to +75 °C
<b>Measurement range</b>	10 to 910 mm
<b>Measurement resolution</b>	0.05 mm
<b>Accuracy error level</b>	0.5 mm
<b>Measurement period</b>	8 s

### Interfaces

<b>Digital</b>	RS232, RS485
<b>Analogue to digital bit resolution</b>	Fuel level: 10, 12 and 16 bits Temperature: 8 bits

### Protections and ratings

<b>IP rating</b>	IP68
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### Physical properties

<b>Fuel type</b>	Diesel
<b>Probe length</b>	250 to 800 mm
<b>Cable length</b>	7.5 m
<b>Weight</b>	3.2 kg

## Ordering information

<b>E_RS232</b>	RCS-Epsilon Fuel Level Sensor
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### Contact information:

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