



Fuel level sensor

The fuel level sensor (FLS) is developed and manufactured by Ruptela for fuel management – monitoring fuel level, fuel consumption and preventing fuel theft.

Advanced electronics, solid construction and easy installation makes Ruptela fuel level sensor perfect for all fuel monitoring and control tasks.

The Ruptela fuel level sensor is available in standard and advanced versions, and the same sensor probe can be used with different heads – ECO and PRO.

Key features

- Digital and Analog measurement
- Analogue/RS232/RS485 interfaces
- 300 – 750 mm probe length
- IP68 certified
- Galvanic isolation
- Robust construction
- Dry and wet calibration
- Inclinator
- Remote configuration and updates

	FLS Eco	FLS Pro
Environmental specifications		
Temperature	Operating and storage: -40 to +80 °C	
Electrical specifications		
Power supply range	10 ÷ 32 V DC	
Power supply voltage	12/24 V DC	
Maximum voltage	50 V @ 0.2 s	
Power consumption @ 12 V DC		
Operating	15 mA	30 mA
Interfaces		
Analogue (voltage/frequency output)	Output voltage: 0.5 ÷ 20.5 V Frequency range: 500 ÷ 2000 Hz Digital to analogue resolution: 12 bit	
Digital	RS232	RS232/RS485
Features		
Galvanic isolation	Yes	
Temperature measure	-	Yes
Inclinometer	-	Angle measurement error: < 1 ° Angle measurement resolution: 0.1 °
Fuel data via	AIN	AIN/RS232/RS485
Certifications and ratings		
Certifications	CE, E-mark, Rostest	
IP rating	IP68	
Physical properties		
Fuel type	Diesel	
Probe length	300 - 750 mm	
Wire length	450 mm + 7 m extension	
Housing	Aluminium	

Ordering information

FLS Eco	Standard fuel sensor for heavy commercial vehicles.
FLS Pro	Advanced fuel sensor for heavy commercial vehicles.

Warnings

All internal components including the battery must be replaced only by the manufacturer! Any self-willed attempt to repair or change any components will void the warranty.



Waste equipment should not be disposed of with your other household waste. The product must be taken to separate collection points at the product's end-of life.

Document application

Given parameter values and various characteristics within this document apply only to the most recent device hardware version.

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