MISENSOR TECH CO., LTD.
Web: www.misensor.net | E-mail: sales@misensor.net
Tel / Mob / WhatsApp: +86 13761571029

Automotive & Marine Continuous Fuel Level Senders (FLS Series)

Continuous Resistance, Voltage (0-5V) or Current (4-20mA) Output | SAE 5-Hole / BSP / Flange

Product Overview

Misensor FLS Series continuous fuel and liquid level sensors utilize an array of hermetically sealed reed switches and precision thick-film resistors inside a SUS304/316 stainless steel tube. Unlike traditional wiper-arm potentiometers, the non-contact magnetic reed design has zero mechanical wear, spark-free intrinsic safety, and superior vibration durability.

Key Features

- Non-contact magnetic reed array - zero mechanical ...
- Standard resistance outputs: 0-190 Ohm (EU), 240-3...
- Optional 4-20mA, 0-5V, 0.5-4.5V, or CAN J1939 sign...
- Resolution options from 3mm (high-precision MR) to...
- Standard SAE 5-hole flange, 6-hole flange, or BSP/...
- Optional integrated low-level warning switch contact

Typical Applications

- Heavy-duty trucks, buses, construction & agricultu...
- Diesel generator sets & marine fuel/freshwater tanks
- Locomotives, special-purpose vehicles & hydraulic ...

Technical Specifications & Model Selection

Series	Mounting Style	Length Range	Resolution	Output Signal	Operating Temp	Protection
FLS-S (SAE)	SAE 5-Hole Flange	100mm-1500mm	10mm / 15mm / 21mm	0-190Ohm / 240-33O..	-40°C to +85°C	IP67
FLS-S (BSP)	1-1/4" or 1-1/2" BSP	100mm-1500mm	10mm / 15mm / 21mm	0-190Ohm / 240-33O..	-40°C to +85°C	IP67
FLS-L (Dual)	Flange w/ Suction ..	150mm-1200mm	10mm / 14mm	Custom Resistance ..	-40°C to +85°C	IP67
FLS-M (MR)	High-Precision MR	100mm-1000mm	3mm / 5mm	Resistance / Volta..	-40°C to +85°C	IP67
FLS-H (Swing)	Float Arm Sender	150mm-600mm	Continuous	0-190Ohm / 240-33O..	-40°C to +85°C	IP65