

Capacitive Fuel, Oil & Liquid Level Sensors (FSC / FSC-02 / MS313100 / FH-CSD)

Solid-State Non-Moving-Part Capacitive Level Probes & Non-Contact Outer-Wall Sensors

Product Overview

Misensor Capacitive Level Sensors measure liquid level by detecting dielectric capacitance changes between concentric electrodes or across a non-metallic tank wall. With zero moving parts, they eliminate float jamming and provide high-resolution continuous or point-level sensing.

Key Features

- Zero moving parts - immune to mechanical wear, vib...
- FSC Continuous Fuel Probe: field-cutable length, ...
- FSC-02 Lubricating Oil Level & Temperature Switch ...
- MS313100 & FH-CSD1CS09 Non-Contact Outer-Wall Capa...

Typical Applications

- Commercial truck & generator fuel tanks (anti-thef...
- Wind turbine, compressor & locomotive lubricating ...
- Medical IV bags, coffee machines & chemical contain...

Technical Specifications & Model Selection

Model	Sensing Style	Measured Media	Measuring Range	Output Signal	Supply Voltage	Protection
FSC Series	Coaxial Tube Probe	Diesel, Biodiesel,..	150mm-1500mm	4-20mA / 0-5V / RS..	9-36V DC	IP67
FSC-02	Threaded Brass Probe	Lubricating & Hydr..	Point Level + Temp	Relay SPDT / PNP	18-36V DC	IP67
MS313100	Automotive Capacit..	Fuel / Oil / Coolant	Custom Probe	0.5-4.5V / PWM	5V / 12V DC	IP67
FH-CSD1CS09	Non-Contact Wall	Water, Aqueous Liq..	Point Level (Throu..	NPN / PNP / CMOS	3.3V-24V DC	IP66