

# Capacitive Fuel & Liquid Level Sensor (FSC-02 Series)

Model: FSC-02 Series

## Product Overview

Solid-state coaxial capacitive liquid level sensor for continuous monitoring of diesel, gasoline, kerosene, and hydraulic oil in vehicle and generator fuel tanks.

## Key Features

- Zero moving parts: eliminates mechanical wear, jamming, and float sticking
- Continuous 0.5-4.5V, 0-5V, 4-20mA, or RS485 digital level output
- Custom probe lengths from 100mm up to 2000mm (field-trimmable)
- Integrated temperature compensation circuit
- Standard SAE 5-hole or BSP/NPT thread mounting flange

## Typical Applications

- Automotive & Commercial Vehicles
- Industrial Machinery & Automation
- Electric Vehicles (EV & FCEV)
- Safety Interlocks & Control Systems

## Technical Specifications

| Parameter        | Specification / Technical Value           |
|------------------|-------------------------------------------|
| Measuring Length | 100 mm to 2000 mm (Customizable)          |
| Supply Voltage   | 9V to 32V DC                              |
| Output Signal    | 0.5-4.5V / 4-20mA / RS485 Modbus          |
| Accuracy         | ±0.5% FS                                  |
| Medium           | Diesel, gasoline, kerosene, hydraulic oil |
| Operating Temp   | -40°C to +85°C                            |