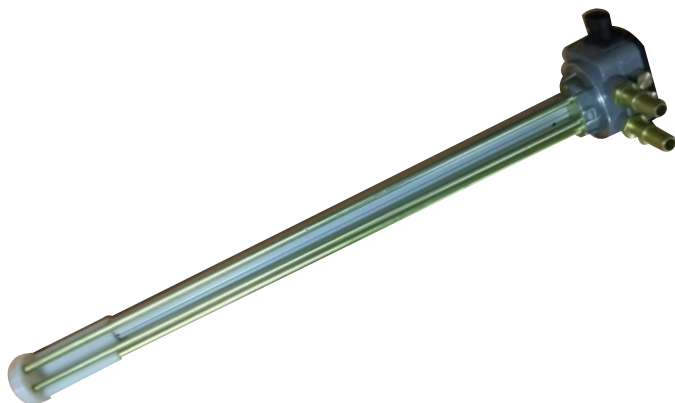


## CSC (Capacitive Self Calibrating) Fuel Level Sensor

Integrated Suction / Return Tube Design



### Technical Data



Over Voltage  
Protection



Low Current  
Consumption



High Precision  
High Accuracy



Temperature  
Compensated



Short Circuit  
Protection



Reverse Polarity

## Introduction

The CSC Fuel Level Sensor is a highly advanced sensor for continuously measuring level of the fuel medium in the tank. It uses Capacitive Sensing Technology to measure fuel level with high accuracy & resolution.

Unique feature of this sensor is that it auto compensates when a liquid with a different dielectric constant value is used.

## Key Features

- Linear Output : 0.5 VDC (Empty Level) to 5 VDC (Full level)
- Integrated fuel delivery tubes (Dual)
- Additional Fuel Delivery Tubes : Can be used for running any auxiliary engine in the vehicle
- Ingress Protection : IP 66
- Available in Customized Length
- Medium Type : Diesel, Biodiesel, Kerosene, Petrol

## CSC (Capacitive Self Calibrating) Fuel Level Sensor

Integrated Suction / Return Tube Design

### Specification

#### Electrical

Supply Voltage	9-32 VDC
Overvoltage Protection	Yes, Upto 80 VDC
Supply current	15 mA @ 12VDC, 23 mA @ 24VDC
Resolution	10 mV
Accuracy	± 2.0% of Sensor Length @ 20°C (+68°F) in Diesel (For sensor lengths 300mm and above)

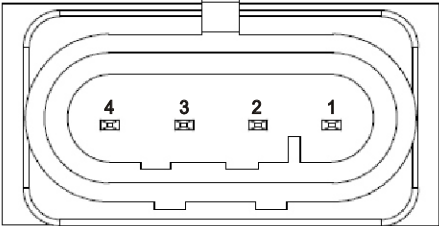
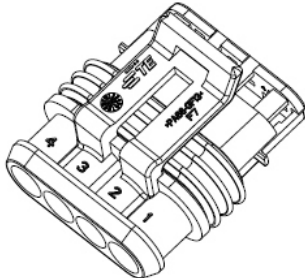
#### Environmental

Operating Temp. Range	-40°C to +85°C
Storage Temp. Range	-40°C to +90°C
Plating on steel parts	All Steel parts are Zinc plated & Trivalent yellow passivated
Environmental Immunity	EMI/EMC Compatible along with AIS004 Part 3 certification

#### Mechanical Fitment

Fitment of Fuel sensor	Bayonet Type Fitment with O'Ring
Fuel Lines Connection	Quick connect Suction and Return Fittings made as per Standard SAE J2044 for connecting Suction and Return Fuel Lines

#### Electrical Connection & Fitment

Inbuilt Connector	Mating Connector	Pin Configuration:-										
<div></div> <div>4PIN CONNECTOR EQUIVALENT TO AMP Part No.-2821 06-1</div>	<div></div> <div>AMP Part No.-282088-1</div>	<table><tr><th>PIN</th><th>TYPE</th></tr><tr><td>1</td><td>V+ (SUPPLY)</td></tr><tr><td>2</td><td>V- (GROUND)</td></tr><tr><td>3</td><td>SIGNAL OUT (0.5-5V)</td></tr><tr><td>4</td><td>-----</td></tr></table>	PIN	TYPE	1	V+ (SUPPLY)	2	V- (GROUND)	3	SIGNAL OUT (0.5-5V)	4	-----
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