

**FUEL LEVEL SENSOR  
FUELTRANCE - 5000 SERIES**



**SALIENT FEATURES:**

- \* **Fast and Easy Installation**  
No Calibration. Pre calibrated for each probe length.

**No effect of turbulence in the tank.**

High Reliability.

**Suitable for the highly dusty environment.**

- \* **Provides economical solutions.**

**MEASURING SYSTEM:**

The complete system, FUELTRANCE - 5000... series, consists of:-

The sensing probe with integral electronic mounted on the probe head, encapsulated.

**Capacitance Level Transmitter** is a compact, low cost, level transmitter with analogue out-put designed to measure the level Of various non viscous, non conductive fuel oils, such as Diesel. Measuring range is 0.2 to 2 m for rod probe version. The probe forms an electrical capacitor with the grounding shell well provided on the sensing rod. With the vessel empty, an initial capacitance exists between the electrode and the metal well or the auxiliary reference probe. When the probe become covered with material to be measured the capacitance will increase and the change will be measured and covered into an analogue output signal proportional to the change.

**LIQUID APPLICATION : DIESEL FUEL**

## **TECHNICAL SPECIFICATIONS**

**(STANDARD):**

### **ELECTRONIC :**

Housing : Aluminum, weather proof, powder coated. Integral with The probe.

**Cable entry : 1 nos., with integral cable connected with the probe, 1 mtr length**

**Ambient temp. : 0 ° C to +60° C**

**Mains Voltage : 12/24 V DC**

**Output : a) 1- 5 V DC ( Standard) or  
b) 1-10 V DC or  
c) current output 4-20 mADC or  
d) twin output, 4-20 mADC with RS485**

Current : 20 mA ( max) for  
Consumption Standard unit.

Response : better than 10 sec  
time

Accuracy : better than +/- 1%

Probe dia : 20 mm

Termination : 3 core cable from the electronics, 1 mts.

Mounting : Screwed or flanged as per application.

## **INSTALLATIONS:**

### **(SENSING PROBE):**

**Mounting : Screwed – 3/4" BSP (standard)  
Or Flanged (optional)**

**Sense : Pipe/Rod Stainless steel (SS 304)**

**Grounding : Pipe, SS304**

**Length : a) 200 (standard) upto 2000 mm**

**Operating Temp in : 70 deg for the integral unit. (standard)**

*Continuous efforts for product development may necessitate changes in these details without notice*

**For more information visit us at**

**[www.jayceetech.com](http://www.jayceetech.com)**



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