

## FLEXCOM FUEL LEVEL SENSOR

### SPECIFICATION



#### Dimensions:

**Probe length:** Min 200mm, Max 1100mm (Min 7.9", Max 43.3")

NOTE: THE PROBE LENGTH SHOULD LEAVE MIN. 25MM FROM THE END OF THE PROBE TO THE BASE OF THE TANK.

#### Electrical:

**Supply voltage:** 12 or 24Vdc nominal\* **Supply current:** 28mA@12Vdc + output load

**Connections:** 500mm long flying leads which can be **Accuracy:**  $\pm 2.0\%$  of depth @ 20°C (+68°F) optionally fitted with any specified receptacle

\*Protected against overvoltage (80Vdc for 2 minutes) and incorrect electrical connection

#### Outputs:

**Resistive:** One from: 10-180 $\Omega$ , 240-330 $\Omega$  or 3-180 $\Omega$ . Not suitable for constant current application.

**Voltage:** Selectable: 0-5V, 5-0V or any voltage range in between these limits (ascending or descending).

V<sub>OUT</sub> IS PROTECTED FROM DAMAGE IF MISCONNECTED TO V+ (>32V) OR GND.

**Alarm:** Switch to ground at 1/8 tank depth - max load 100mA - optionally adjustable between empty and full.

**Warning Output Load:** 100mA max.

#### Construction:

**Housing:** 30% glass filled Nylon 66 **Internal sensor:** Aluminium

**Sensor tube:** Stainless steel 316 **Wetted seals:** PTFE & Nitrile

**Internal insulators:** PTFE

#### Fluid Types:

Diesel, biodiesel, kerosene, petrol. Not suitable for fuels with a high dielectric constant.

#### Environmental Ratings:

**Temperature - operating:** -40°C to +85°C (-4°F to +185°F)

- **storage:** -40°C to +105°C (-40°F to +221°F)

**Max tank pressure:** For use in unpressurized tanks

**Vibration:** BS EN 60068-2-64:1993 (15.3grms)

EN ISO 13766:2006

**Sealing:** IP67

**Shock:** 50g 6.3mS

**Weight:** 300g (10 oz) (1M long unit)

**EMC:** Type approval in accordance with

A range of highly advanced sensors for continuously measuring the contents of a fuel tank. The products include a feature whereby they can be cut to length\* and be recalibrated.

A low level alarm switches when the fuel drops below a predetermined level (default is 1/8<sup>th</sup> of the tank), but the alarm point can be optionally specified anywhere between 0-100%.

