

Aircraft Extras Inc.

LOW FUEL LEVEL SENSOR



DESCRIPTION:

Our Low Fuel Sensor was carefully chosen to monitor aircraft fuel level. It works great in the harsh environment of the fuel tank area and has a proven track record. The output is high when the sensor is in the air, low when in liquid. Please check with us to see a list of products that utilize this sensor.

SPECIFICATIONS:

Sensor Operating Temp.	-25 °C to 80 °C (-13 °F to 176 °F)
Storage Temperature	-30 °C to 85 °C (-22 °F to 185 °F)
Supply Voltage	4.5 Vdc to 15.4 Vdc
Supply Current	2.5 mA nominal at 15.4V supply
Output polarity	High in air, low in liquid
Output Current	100 mA max. Sinking, 100mA Sourcing
Output	TTL compatible if +5V supply is used
Response Time	Rising Liquid 0.1Sec.
Response Time	Falling Liquid 0.1Sec.
Connections	RED to +V Supply, GREEN Output, BLUE common or chassis
Mounting	External mount, 1/4" NPT threads. Mount horizontally
Tightening Torque	13.26 in.-lbs. (1.5Nm)
Pressure Range	0 to 100 PSI (0 to 7.0 Bar)
Sensor length from outside Wall of fuel tank to tip of sensor	19.05mm (0.75 inches)
Thread Length	9.27mm (0.365 inches)

INSTALLATION:

After installing the sensor, we recommend using a small amount of Pro-Seal or another brand of fuel tank sealant to help secure the sensor. Applying a small bead around the outside of the sensor may also inhibit future leaks from forming. This suggestion is just a bit of extra insurance.

WARNING: *This sensor can withstand a maximum voltage of 15.4V. If connected directly to the aircraft bus without any type of protection, the sensor might be damaged due to bus over voltages or random voltage spikes. Please use protection circuitry if you design it in yourself. All of our products that utilize this sensor take this into consideration. We provide adequate protection for this device. The sensor is designed to be safe and reliable if used properly. Also (DO NOT OVER TORQUE)*

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Visit www.aircraftextras.com for all of the details and for **MORE** great products!

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