



LIQUID MEASUREMENT SYSTEMS

ON-BOARD PROCESSING PROBE

OVERVIEW

Liquid Measurement System's new fuel gauging probe with on-board processing is designed to reduce development time, work with a variety of fuel tank configurations, and features streamlined mounting and installation.

INPUTS

- Carbon Fiber Capacitance Probe
- Up to 3 Discrete Open/GND Inputs
 - IBIT Initiate
 - Set High/Low Level
 - Maintenance Mode

OUTPUTS

- ARINC 429, CANBUS, or Analog Signal
- Up to 3 Discrete Open/GND Outputs
 - Low/High Level
 - Failure Warning
 - IBIT in Progress

BUILT-IN TEST

- Self-Test Capability (Startup/Initiated/Continuous)

CERTIFICATION

- Accuracy to JSSG-2009A Class 2 and AS405D
- Software DO-178C DAL B
 - Outputs/Tank tables customizable through PDIF
- Safety Objectives from AC 25.981-1C
- Environmental conditions from MIL-STD-810
- Electromagnetic Interference compatible with MIL-STD-461
- DO-160G, Section 22 – Lightning Level 3
- MIL-STD-704F 28VDC Input power

MOUNTING

- D38999/ 13 Pin B Size Connector
- Flange 5" Diameter x 2" Tall (12.7cm x 5cm)
- Mounts through a hole 2" diameter in top or bottom of tank
- Weight; < 3 pounds (1361 grams)



FUEL GAUGING PROBE
WITH ON-BOARD PROCESSING

IMPROVED ACCURACY | AFFORDABLE | QUICKLY ADAPTABLE | REDUCED AIRCRAFT FOOTPRINT



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