

FL252 Two Tank Fuel Level Instrument



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The FL252 instrument is an advanced, next generation airborne fuel level reporting instrument that supports two fuel tanks, used specifically with fuel senders that have a DC level output.

Fuel level functionality is TSO'd and meets the repeatable accuracy requirements of SAE AS405C, +/- 1US Gallon.

- Graphical indication of fuel level in each tank
- Selectable digital fuel quantity for each tank
- Fully programmable color indication to meet all aircraft marking requirements
- Graphical fuel level indication, starting at power on

The FL252 instrument is TSO'd and STC'd as a primary replacement instrument under all flight conditions (day/night VFR and IFR). It is a requirement of the STC that this be the only fuel level indicator, when installed.

Certification / Compliance

TSO C55a, Canadian STC, FAA STC
Certified as primary replacement

DC Power Source

Input voltage 6 to 36 VDC
Power consumption 100mA
Load dump tolerance +60V
Direct spike tolerance +/- 60V
Cable spike tolerance > +/- 1KV

Operating Temperature

Constant operating -15°C to +55°C
Short term operating (1hr) -40°C to +70°C
Storage -55°C to +85°C

Signal Input

DC voltage 0v to 5.0v

Accuracy

AS405C +/- 1 USG, US Gallons or Litres, user selectable

Range

0 to 120 USG (defined by fuel sender/tank size)

Display

Sunlight readable LCD
176 X 192 display pixels, 65,535 colors

RS-232 Data

Output 1 second per full sequence at 57.6K bps

Interface Connector

DB-25

Software Functionality

Primary Display: Fuel level in all tanks
Trend Graph: Graphic display of level vs time

Dimensions

2.45" X 2.45" X 0.9"

Weight (excluding harness)

4.05 oz

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