

Dual Fuel Level (FL-2) Quick Reference Guide

Programming the Filter, Operating Mode and Resolution:

1. Turn the power to the FL-2 off.
2. Set the tank Selector Switch to the center position ("Total").
3. Push and hold the Enter Button on the back of the unit. Turn on the power, wait 3 seconds and release the Enter Button. The FL-2 will display the current filter setting (F 08, 16, 32, 64 or 128). The programmable numbers will be blinking.
4. Toggling the Selector Switch from the center position (total) to the left or right will change the filter setting (F 08, 16, 32, 64 or 128).



5. Once you have selected the filter setting, tap the Enter Button on the back of the FL-2 to display the current operating mode. The programmable letters will be blinking.
6. Toggling the Selector Switch from the center position to the left or right will change the operating mode ("FL r", "FLrH" and "FL C").
7. Once you have selected the operation mode, tap the Enter Button on the back of the FL-2 to display the current resolution. The programmable numbers will be blinking.



8. Toggling the Selector Switch from the center position to the left or right will change the resolution ("GAL1" or "GAL.5").
9. To exit this program mode, push and hold the Enter Button on the back of the FL-2 for 3 seconds, then release the button. All programmed data is stored in memory for 100 years with or without aircraft power connected to the instrument.



Calibrating the Left Fuel Tank:

1. Set the aircraft angle of attack for cruise flight with unusable fuel in the tank.
2. Turn the power to the FL-2 off. Set the Selector Switch to the left position.
3. Push and hold the Enter Button on the back of the unit. Turn on the power. Wait 3 seconds and release the Enter Button. This is your first calibration point. Each time you push and hold the Enter Button you will advance to the next cal point. A maximum of 9 cal points may be set.
4. Place the Selector Switch into the center position. The FL-2 will display the current fuel level for this cal point. If "E000" is displayed, this is for cal point 1 (empty fuel level). If "Pxxx" is displayed, this indicates a partial fuel level cal point. If "Fxxx" is displayed, this indicates the full fuel level cal point and is the last cal point.



To program (change) the fuel level for this calibration point, push and hold the Enter Button on the back of the FL-2 for 3 seconds. To change the blinking digit, move the Selector Switch from the center position to the left or right. To blink the next digit to the right, tap the Enter Button on the back of the FL-2. To exit the programming of the fuel level for this calibration point and stop the blinking of a digit, push and hold the Enter Button on the back of the FL-2 for 3 seconds.

5. Place the Selector Switch into the right position. The FL-2 will display the last programmed Sensor Counts for this cal point. Tap the Enter Button on the back of the FL-2, the display will start blinking and the Sensor Counts for the current fuel level in the tank will be displayed. Wait for the display to stabilize and tap the Enter Button to lock the current Sensor Counts into the display and stop the blinking.

If you want to manually program the Sensor Counts, push and hold the Enter Button at the back of the FL-2 (with the Sensor Counts displayed and not blinking) until the thousands digits starts to blink.



Calibrating the Right Fuel Tank:

Calibrate the right tank using the left tank calibration procedure with the following change: When the procedure calls for the Selector Switch to be placed in the left position, place it in the right position and when it is to be placed in the right, place it into the left.