

FUEL MONITOR OPERATING INSTRUCTIONS

IT IS OF UTMOST IMPORTANCE THAT YOU, AS PILOT IN COMMAND, ARE RESPONSIBLE FOR PROVIDING ACCURATE PROGRAMMING INFORMATION TO YOUR FUEL MONITOR. AS THE OLD SAYING GOES, "GARBAGE IN, GARBAGE OUT." YOUR SAFETY DEPENDS - AS ALWAYS - ON YOUR CARE AND GOOD JUDGEMENT.

ALWAYS INPUT DATA THAT IS ON THE CONSERVATIVE SIDE. To guide you in this direction, Starting Fuel quantities are entered in whole gallons, there being no decimal point displayed when the programming switch is in the "S" position. Similarly, Fuel Burn per hour is also entered in whole gallons per hour - **ROUND UP EVERY TIME FOR SAFETY.** As unusable fuel is commonly expressed in fractions, a decimal point is placed when the switch is in the "U" position.

Entries for Unusable Fuel and Starting Fuel **MUST BE MADE WITH THE APPROPRIATE TANK SELECTED AND ITS LED ILLUMINATED.** Fuel Burn entry ignores any tank selection.

When entering a Fuel Burn Rate, exercise your own good judgment as you acquire experience with the aircraft you are flying. Start with POH figures, of course, then program for the mission of the current flight if you anticipate a significant variance from average performance.

Fuel Time Remaining is displayed in hours and tenths so as not to imply any finer degree of accuracy. When time remaining of any tank falls below 1/2 hour (0.5), the LED below the Start Switch will flash repeatedly. Similarly, when time remaining for the entire aircraft falls below 1 hour, this same alarm indication will activate. **AS ALWAYS, EMPLOY YOUR OWN PERSONAL MINIMUMS MENTALLY OR IN WRITTEN FORM ACCESSIBLE IN THE COCKPIT.**

HOW THE FUEL MONITOR FUNCTIONS

Your FUEL MONITOR is a countdown timer which is engaged whenever one or more fuel tanks are selected by depressing the associated yellow button(s) and then the Start Switch is turned on. Immediately after the Start Switch is activated, the associated LED will flash a few times to confirm timer operation.

The Monitor's microprocessor stores values you enter into non-volatile memory registers - values which are stored as they were entered even when the Monitor is powered down. There is no need to re-enter values for Unusable Fuel unless switching aircraft. The Fuel Burn Rate figure is similarly stored but can be changed in flight should that become advisable - as in the case of increasing engine RPM to make up time en route.

AT THE COMPLETION OF YOUR FLIGHT, BE SURE TO TURN YOUR FUEL

MONITOR OFF COMPLETELY, NOT JUST AT THE START SWITCH. IT IS BEST PRACTICE TO AGAIN VISUALLY DIP YOUR FUEL TANKS BEFORE THE NEXT FLIGHT AND RE-ENTER STARTING FUEL VALUES, CHOOSING NOT TO DO SO RETAINS TIME REMAINING AT THE END OF THE LAST FLIGHT IN THE MONITOR'S MEMORY SO YOU CAN PICK UP WHERE YOU LEFT OFF IF YOU ARE NOT REFUELING AT THE END OF THIS FLIGHT.

After initial programming of Unusable Fuel and the Fuel Burn Rate, selecting these functions along with the appropriate tank selected will bring up the stored values in the lower display for your confirmation.

WHEN TWO TANKS ARE BEING UTILIZED, THE TIMER HAS NO WAY OF DETECTING UNEVEN FUEL FLOW. HALF THE COMPUTED REMAINING FUEL TIME IS DEDUCTED EVENLY FROM EACH TANK'S REGISTER.

BE SURE TO DESELECT THE CURRENTLY ACTIVE TANK WHEN MOVING THE AIRCRAFT'S FUEL SELECTOR AND CONFIRM PROPER SELECTION OF THE NEW TANK ON YOUR FUEL MONITOR.

MOUNTING AND CONNECTING YOUR FUEL MONITOR

Hook and loop self-adhesive strips are provided for mounting your FUEL MONITOR on any flat surface: vacant panel space, a side window, or a kneeboard. To semi-permanently mount the timer, you may use dabs of rubber cement or double-sided tape. If you have a 3-1/8" instrument hole available, attach the included cylinder to the base of your instrument and slip it into the hole. Secure it to the face of the panel by placing double-sided tape or dabs of rubber cement under the "ears" of the square case.

Power to your FUEL MONITOR can be connected to either of the USB Mini receptacles with the 3' or 6' USB A to USB mini cable. Receptacles are internally connected so you can pass through 5 VDC to any further device you wish to power or recharge.

Cables and adapters provided with your FUEL MONITOR are as follows:

- 3' male USB A to male USB mini cable to power the FUEL MONITOR.
- 6' male USB A to male USB mini cable to power the FUEL MONITOR.
- Male USB mini to female USB A pigtail for powering an additional device.
- Male USB mini to female USB C (micro) adapter for iPhone and similar devices.