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General Description

The **Totalizer** is a complete fuel management system for the Aerostar. It provides the pilot with continuous information on a wide variety of fuel system data including

- Fuel Flow
- Fuel Used
- Fuel Remaining
- Fuel Reserve (to destination)
- Hours of Fuel Remaining
- Low Fuel warnings

The Totalizer fits the standard 2.25" instrument hole on the copilot's panel.





FUEL TOTALIZER OPERATING INSTRUCTIONS

Controls/Functionality

Functionality

The Totalizer incorporates several modes of operation, as illustrated and listed above. The two display modes **Fuel To Destination** and **Fuel Reserve** override all other modes when the respective control button is depressed. Either of those modes, when selected, will show their respective data on the Display LCD exclusively until they are specifically switched off. You can, however, switch back and forth between **F. To Dest.** and **F. Res.** as desired.

When fuel (port or starboard₂) drops below the pre-selected alarm level₁ the respective warning light will sound. An audible alarm will also sound. This alarm can be silenced using the **Audible Alarm On/Off button**.

Note:

You must have the **Audible Alarms Option** set to **Hear Alarms** in the **Load Manager** in order for this audible indicator to sound.

This alarm will also sound, and the LED indicator(s) will glow red, if there is insufficient fuel in the tanks to achieve the **Fuel To Destination** value calculated by the Totalizer.





FUEL TOTALIZER OPERATING INSTRUCTIONS

Controls

AUDIBLE ALARM ON/OFF

Toggles the audible alarms for low fuel on/off. The alarms will be silenced until you specifically switch them back on.

Note:

You must have the **Audible Alarms Option** set to Hear Alarms in the **Load Manager** in order for this audible indicator to sound.

LOW FUEL INDICATORS

Individual indicators for port and starboard₂. Will illuminate when fuel reaches the pre-selected low fuel level₁. These LED indicator(s) will also glow red, if there is insufficient fuel in the tanks to achieve the Fuel To Destination value calculated by the Totalizer. See the **Fuel To Destination** section below for more details.

DISPLAY LCD

Presents the respective values according to the calculation mode selected. The current indicated values, and the current mode of operation, are also displayed on the mouse tooltip for the Totalizer. *Note that you must have **Show Tooltips** checked in your Flight Simulator **Options/general menu** in order to see any mouse tooltips.*

FUEL COUNTER RESET BUTTON

When the aircraft loads in the simulator, the present quantity of fuel in all tanks is used for the beginning point for calculating fuel used. If you refuel, or if for any reason you want the Totalizer to begin calculating fuel used from a given point in your flight, simply depress this button once. The amount of fuel presently in all tanks will be used as the beginning point for calculating fuel used.

Note:

All previous fuel counted will be reset to zero, and therefore, lost when this button is depressed.

Note:

Resetting this value will **not** effect the **Load Manager** calculation of fuel used during your Flight Simulator session.

MODE INDICATORS

Set of four green LED indicators that display the current mode of calculation. Remember that the **Fuel To Destination** and **Fuel Reserve** selections will override all other modes. In this case all four LED indicators will be dark.



FUEL TOTALIZER OPERATING INSTRUCTIONS

FUEL TO DESTINATION BUTTON

Depress this button and the Totalizer will calculate the amount of fuel required to reach the next waypoint in the flight plan, based on your present fuel usage. Remember that this mode will override all others, and the Display LCD will show this value exclusively until this button is switched off.

Important Note:

You **must** have a proper flight plan selected in the simulator, with active waypoints, in order for this mode of operation to work. If no flight plan is loaded, or no active waypoint exists, the Totalizer will display **XWPT**.

FUEL RESERVE BUTTON

Depress this button and the Totalizer will calculate the amount of fuel in reserve after you reach the next waypoint in the flight plan. Remember that this mode will override all others, and the Display LCD will show this value exclusively until this button is switched off.

Important Note:

You **must** have a proper flight plan selected in the simulator, with active waypoints, in order for this mode of operation to work. If no flight plan is loaded, or no active waypoint exists, the Totalizer will display **XWPT**.

MODE STEP SWITCH

Turn this switch left or right and the Totalizer will step to the next mode of operation, as displayed on the green **Mode Indicator** LEDs.

Footnotes

1. This setting is selected on the Aerostar **Load Manager**. See the Load Manager documentation for more details.
2. Port and starboard fuel is considered both the main and auxiliary tank on that side of the aircraft. See the **Fuel Controls** section of the **POH** for more details.