TAS 1000 DEMO OPERATING INSTRUCTIONS

The TAS 1000, complete with Windicator, is a full function True Air Data Computer, Fuel computer, and Wind computer. The TAS 1000 can simplify fuel management, winds aloft, navigation and instrument approach. The TAS 1000 also feeds information to your GPS, allowing full use of your GPS TAS/Wind/Fuel data pages.

The TAS 1000 demo model allows pilots to become familiar with the multitude of functions the TAS 1000 can supply. The Windicator display allows the pilot to see changes in winds aloft in real time. No longer does the pilot need to spend time calculating winds aloft.

The configuration menu of the TAS 1000 allows the pilot to display only those functions they prefer. The configuration mode allows the user to customize the display list by hiding unwanted functions. Hidden functions will still be calculated by the TAS 1000 but will not appear on the TAS 1000 display when scrolled by turning the selector. Hidden functions can be restored to the display list at any time by reconfiguring the TAS 1000.

ENTERING CONFIGURATION MODE;

(1) Turn off the TAS. Push and hold the selector while applying electrical power.
(2) "CONFIG" will appear on the display. Release the selector.
(3) TAS functions can now be configured to be displayed or hidden.
(4) Function status set to "Y" (Yes) will be displayed in Demo Mode. An "N"(No) status will not be displayed in Demo Mode. Toggle function display status by pressing the selector.
(5) Scroll through the function list by turning the selector CW or CCW.
(6) The display status for each function is stored in nonvolatile memory.
(7) Exit CONFIGURATION Mode by scrolling to the "EXIT N" function, and pressing the selector.
(8) TAS will automatically switch to DEMO mode.

INITIAL SET-UP FOR TAS 1000 DEMO

Apply power to TAS 1000 demo. The TAS 1000 software version will flash, then the serial number. The unit will default to AL. The windicator will flash its software version by lighting appropriate LED's. The Windicator will test the display by lighting all LED's and then proceeds into operation.

1. **AA**
   Altitude Alert — Power on default is altitude alert off. Set this parameter before setting altitude. Press the selector and release. Dial in an altitude and the press selector again to accept. Once the value is accepted, the altitude alert is activated. When passing within 1000 feet of your selected altitude, there will be a single beep. When passing within 100 feet of your selected altitude, two beeps will alert the pilot that the selected altitude has been reached. Once your target altitude has been reached, the alert warning band (AWB) takes effect. When passing an altitude outside of the AWB, the pilot is alerted with 3 beeps. In demo mode, the AWB is set to 200 feet. The altitude alert function is provided by pilot input in normal operation mode.

2. **AL**
   Pressure Altitude — Power on default is 0 feet or the last user barometric setting. Press the selector and release. Dial in an altitude and press the selector again to accept. This data, in normal mode, is calculated from barometric setting and the static air port.

3. **BR**
   Baro Setting — Power on default is the last user setting. Press the selector and release. Dial in a setting and press to accept. This data, in normal mode, is entered by the pilot or can be slaved to an altimeter with a barometric output.

4. **GRS**
   Ground Speed — Power on default is 90 kt. Press the selector and release. Dial in a setting and press to accept. This data, in normal mode, is provided by the GPS and communicated through RS232 to the TAS 1000.

5. **HDG**
   Heading — Power on default is last user setting. Press the selector and release. Dial in a setting and press to accept. This data, in normal mode, is provided by pilot input *OR* by slaving to a compass system.

6. **TAT**
   Total Air Temp. — Power on default is 0 degrees Celsius. Press the selector and release. Dial in a setting and press to accept. This data, in normal mode, is calculated by the TAS 1000 through the use of an OAT probe.

7. **TRK**
   Track — Power on default equals HDG. Press the selector and release. Dial in a setting and press to accept. Note that in demo mode, TRK can only be adjusted to +/- 20 degrees of heading. This data, in normal mode, is provided by the GPS.

8. **TR**
   Total Fuel Remain — Power on default is last user setting. Press the selector and release. Dial one click counter-clockwise for maximum fuel onboard. Continue dialing for fuel remaining. This data, in normal mode, is provided by pilot input.

9. **FL**
   Left Eng Fuel Flow — Power on default is 0 lb./hr. Press the selector and release. Dial in a setting and press to accept. FL can only be accessed if "Single N" is selected in dealer mode. This data, in normal mode, is calculated by the TAS 1000 through the use of fuel flow sensors.

10. **FR**
    Rt Eng Fuel Flow — Same as FL.

11. **TF**
    Total Fuel Flow — Power on default is 0 lb./hr. Same as FL and FR but can only be selected if "Single Y" is selected in dealer mode. FL and FR will be hidden from the display.

12. **MACH** — Power on default is 0.19. Press the selector and release. Dial in a setting and press to accept. This data, in normal mode, is calculated by the TAS 1000.

All other data have power on defaults programmed in the demo software that cannot be changed.

USING THE TAS 1000 DEMO

After initial set-up;

Change any of the settings above, by pressing the selector, releasing, dialing a value in and pressing the selector again to accept, to see the effects each has on the TAS 1000 and Windicator.

Example: Changing TRK while maintaining HDG will have an effect on the Windicator Display and calculated values in the TAS 1000.