SANDIA aerospace

SAC 7-35

Airdata Computer

Why the SAC 7-35 Airdata Computer

Airdata computers have been around for some time and almost every corporate jet has one on board. The reason is simple, they give the pilot a significant amount of information that helps him manage his flight more efficiently and in many case in more comfort. We will show you why a GA pilot would benefit from installing an Airdata Computer and why the Sandia SAC 7-35 is the right choice. We will concentrate on installations with the Garmin 400/500 series units (there are approximately 100,000 of the Garmin 400/500 series navigators in operation, a great sales and marketing opportunity).

WINDS Aloft

This information can be used in several ways:

When installed with an Airdata Computer the Garmin 400/500 series navigators will display a wind vector arrow and the wind speed in the lower right corner on the main navigation page. During departure and climb-out this information, which is updated once a second, can be monitored to determine the most efficient cruising altitude. Not only will they get to there destination faster, but they will save on fuel and maintenance costs.

When auto pilot coupled, wind information enhances roll steering and turn anticipation and eliminates overshoot. The navigation unit uses the wind information to compute the proper amount of roll and when to begin the turn to intercept a new course line. The result is a more precise and comfortable procedure.

With the SAC 7-35

Without the SAC 7-35

Fuel Flow

Fuel Planning — When equipped with fuel flow sensors, the SAC 7-35 displays current fuel conditions along the active flight plan. Fuel planning figures can be displayed not only for the currently active flight plan, but also point-to-point between two specified waypoints and for any programmed flight plan.

Density Altitude

The SAC 7-35 provides Altitude and temperature information to the Garmin units. On their Aux page the current Density Altitude will be displayed, a great help in the Go-No Go decision process.

With the SAC 7-35

Without the SAC 7-35

OAT

The SAC 7-35 is supplied with an OAT (Outside Air Temperature) probe and provides the temperature information to the navigator. On the Aux page, the pilot can monitor the OAT to determine when he is entering icing conditions.

Why the SAC 7-35?????

- It has dual RS 232 and ARINC 429 Outputs
- It's also certified as an Altitude Encoder
- Virtually no warm up time
- All calibration and configuration is done at the shop
- Price includes the installation kit and OAT Probe
- It's certified to Helicopter Vibration and Shock levels
- It carries Sandia's three-year hassle free warranty

DID YOU KNOW….the SAC 7-35 is the ideal ARINC 407 to ARINC 429 adapter?