

SAC 7-35 Air Data Computer

PERFORMANCE YOU CAN COUNT ON

The SAC 7-35 has set the Air Data Computer standard for General Aviation aircraft, combining the accuracy and performance demanded by today's integrated avionics systems. The addition of the SAC 7-35 will unlock the powerful features your new system is capable of providing to you. All with the quality and reliability you have come to expect from SANDIA aerospace.

In addition to the airdata capabilities the -01 version of SAC 7-35 provides interface compatibility between Garmin 400W/500W navigators and certain Mode S transponders for **ADS-B** operations.

GET MORE FROM YOUR NAVIGATION SYSTEM

The new generation of integrated avionics have been designed to provide the pilot with a host of information to make his flying safer and more economical. Such information as real time **Winds Aloft** which aid the pilot in selecting the altitude that provides the best cruise performance. And with today's rising fuel costs, this is rapidly becoming a more and more important consideration. **Density Altitude** to help determine takeoff off distances and make those important go, no-go decisions, particularly at high altitude airports and those with short runways. Digital **Outside Air Temperature** simplifies temperature monitoring to determine when icing conditions may exist. **Fuel Flow** data allows you to continually monitor your fuel used and watch any changes in fuel consumption that may indicate engine problems.

FOUR SYSTEMS IN ONE

A full featured *Air Data Computer* enhancing the utility of your navigation system. The SAC 7-35 provides all the performance of Airdata Computers costing thousands of dollars more. **Altitude In-Flight Monitoring** (AIM) alerts the pilot whenever the aircraft deviates more than 100' feet from a selected altitude. Certified **Altitude Encoder** that provides both Gilliam Grey Code for legacy transponders and RS 232 outputs for modern designs. With the addition of a fuel flow transducer(s) the SAC 7-35 supplies digital **Fuel Flow** information to navigation systems that have Fuel Flow displays.

TECHNICAL SPECIFICATIONS

Electrical:	10-32 VDC	Altitude:	35,000' Max	
	1 Amp Max	Resolution:	Grey Code	100'
Mechanical:	4.87W x 5.62L x 1.89H		RS 232	10'
	1.2 Lbs		ARINC 429	10'
Inputs:	ARINC 407 Synchro Heading	Accuracy:	-1000' to 5000'	±25'
	OAT		5001' to 11000'	±30'
	Pitot (Airspeed)		11001' to 20000'	±35'
	Static (Altitude)		20001' to 30000'	±50'
	Track, Mag Var & Ground Speed From On Board GPS		30001' to 35000'	±75'
	5 Volt Pot Baro	Fuel Flow:	Flow Rate	1-14400 GPH Per Side
	Fuel Flow, Pulse		K-Factor Range	500-130,000
	GPS Position (-01 Version only)	ADS-B	ARINC 743 Labels (-01 Version Only)	
Air Speed:	KTS: 40-450	Certification:	TSO C88a, ETSO C88a	
	MACH: 0.1-.99		TSO C106, ETSO C106	
Wind Speed:	0-200 Kts		DO160E	
Vertical Speed:	+/- 9999 Ft/min		DO178 Level C	
	+/- 20000 On ARINC Bus		DO254	
Air Temp:	Range: -60C to +60C			
	Accuracy: +1.5°C			