

SAC 7-35 Air Data Computer

Putting Power In Your Navigation System



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.

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. **Fuel Flow** data so that you can continually monitor your fuel remaining and watch any changes in fuel consumption that may indicate engine problems. Digital **Outside Air Temperature** simplifies temperature monitoring to determine when icing conditions may exist.

FOUR SYSTEMS IN ONE

The SAC 7-35 provides capabilities that usually require four different systems to perform. The SAC 7-35 is TSO'd as an Altitude Encoder and provides both Gilliam Grey Code for legacy transponders and RS 232 Pressure Altitude outputs for modern designs. With the addition of a fuel flow transducer (two for a twin) the SAC 7-35 supplies digital fuel flow information to navigation systems that have Fuel Flow displays. Also included in the SAC 7-35 is Sandia Aerospace's exclusive Altitude In-Flight Monitoring (AIM). AIM alerts the pilot anytime he deviates more than 100' feet from his selected altitude. And of course it is a solid state Air Data Computer that enhances the utility of your navigation system. Add SANDIA aerospace's three-year warranty and the SAC 7-35 becomes the best value for your avionics dollar.

STEP UP TO THE SAC 7-35 AND UNLEASH THE POWER OF YOUR NAVIGATION SYSTEM

SAC 7-35 Air Data Computer

TECHNICAL SPECIFICATIONS

Electrical:

10-32 VDC
1 Amp Max

Mechanical:

4.87W x 5.62L x 1.89H
1.2 Lbs

Certification:

TSO C88a (Encoder)
TSO C106 (Air Data Computer)
DO160E
DO178 Level C

Inputs:

ARINC 407 Synchro Heading
OAT
Fuel Flow (Pulse)
Pitot (Airspeed)
Static (Altitude)
Track From On Board GPS
5 Volt Pot Baro

Altitude:

35,000' Max
Resolution: Grey Code 100'
 RS 232 10'
 ARINC 429 10'

Accuracy:

-1000' to 5000' ±25'
5001' to 11000' ±30'
11001' to 20000' ±35'
20001' to 30000' ±50'
30001' to 35000' ±75'

Fuel Flow:

Flow Rate 1-60 GPH
K-Factor Range 40000-99999

Air Speed:

KTS: 20-450
MACH: 0.1-.89

Wind Speed: 0-200 Kts

Vertical Speed: +9999 Ft/min

Air Temp:

Range: -60C to +60C
Accuracy: +1.5°C

Specifications Preliminary and Subject To Change

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