

SAE5-35 Altitude Data System

35 Thousand Foot Encoder with Dual RS232 Outputs



- ◆ Certified To 35 Thousand Feet.
- ◆ 100' Resolution Grey Code Output For Transponder Interface
- ◆ Dual RS232 Output with 10' Resolution
- ◆ Exclusive Altitude In-flight Monitoring
- ◆ 1.1" High For Mounting Versatility
- ◆ TSO'd
- ◆ Backed By SANDIA aerospace's 3 Year Warranty

The SAE5-35 has set a new standard for altitude reporting systems. Combining the accuracy and performance required by today's sophisticated avionics systems, the SAE5-35 gives the pilot features that only an all digital altitude data system can provide. By combining all your altitude needs into a single unit, the SAE5-35 Altitude Data System reduces cost and increases system reliability.

DESIGNED IN QUALITY

When SANDIA aerospace engineers set out to design the SAE5-35, they began with a temperature compensated pressure transducer. This technology virtually eliminates warm up time and significantly increases the accuracy over the full altitude and temperature range. Next, they added transient and reverse voltage protection to ensure a long trouble free life. They even included two connectors, so upgrading from ordinary encoders is a snap. One look at the construction of the SAE5-35 and the quality that is built into every unit becomes apparent. In fact, we're so sure of the quality, we back every SAE5-35 with a three-year hassle free warranty.

ADDRESSING TOMORROW'S NEEDS TODAY

The days when only a transponder required altitude information are in the past. Today, GPS and Terrain Awareness Systems also require accurate altitude information. The SAE5-35 supplies all these requirements...in a single unit. Not only does the SAE5-35 provide Grey code to the transponder but also two independent RS232 outputs to feed GPS and Terrain Awareness Systems. And with only one unit, you save the cost and space of adding a serial data adapter while enhancing system reliability.

PERFORMANCE YOU CAN COUNT ON

The SAE5-35 provides performance usually reserved for the largest corporate and airline aircraft. It is accurate to within 50 feet throughout its entire operating range, and the RS232 outputs have a resolution of 10 feet. When you install an SAE5-35, you can count on your transponder reporting the proper altitude every flight.

TAKE AIM AT YOUR ALTITUDE

The SAE5-35 has given sight to the blind encoder with SANDIA aerospace's exclusive Altitude In-flight Monitoring (AIM). AIM keeps a constant eye on your selected altitude and lets you know if you begin to stray. When you arrive at your desired cruise altitude, simply push the "SET" button on the AIM annunciator. Your current altitude is stored in memory and continually monitored by the SAE5-35. If you deviate more than 100 feet from your selected altitude, the AIM annunciator will display "ALT". Deviate 200 feet or more and the "ALT" annunciator will flash twice per second, letting you know that you need to climb or descend.

When you select an SAE5-35 Altitude Data System from SANDIA aerospace, you know you've chosen the best.



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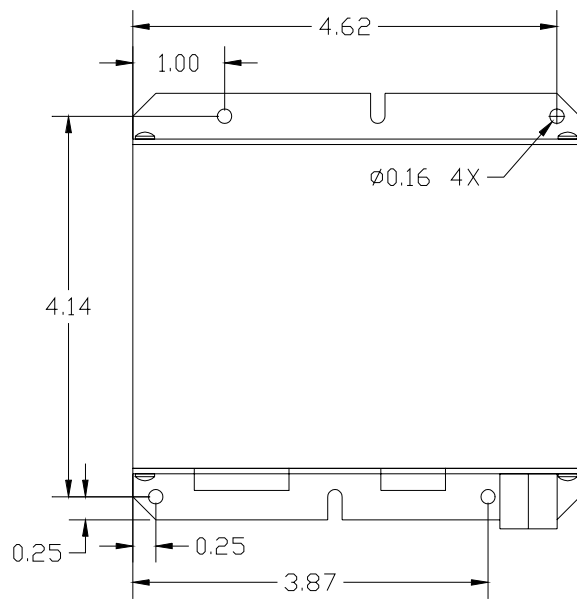
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Mechanical Specifications:

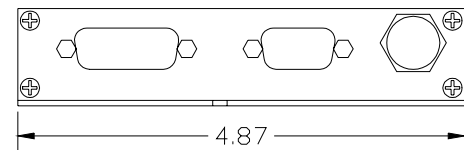
Height: 1.06" (1.57")
Width: 4.87" (5.11")
Depth: 4.74" (4.80")
Weight: 0.7 lbs
Values in parentheses are with mounting tray.

Electrical Specifications:

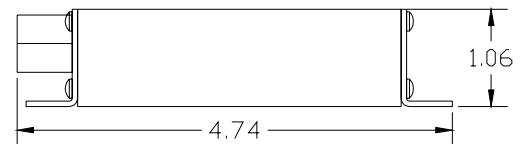
Altitude: 35,000'
Power Input: 11 - 33 Vdc
Current: .9 amps (with heater on)
Outputs: One Grey Code
Two RS232
Resolution: Grey Code 100'
RS232 10'
Accuracy: 50' or better throughout range
TSO: C88a



Top View



Front View



Side View