KSG 7200 ADAHRS

Honeywell's KSG 7200 Air Data, Attitude, Heading and Reference System (ADAHRS): a leap forward in sensor technology.

Safety, Reliability and Performance

The new state-of-the-art KSG 7200 ADAHRS provides superior safety, remarkable reliability and peak performance – at a very affordable price. Leveraging Honeywell's experience in the air transport and high-end business jet markets, it was designed to outperform and outlast similar systems. Innovative, reliable architecture and solid-state technology ensure that the KSG 7200 will be there when you need it.

Integrated Features Provide Peak Performance

The KSG 7200 is a revolutionary, dual-channel system that combines attitude, altitude, airspeed, air temperature and heading information into a single box. Each channel features Honeywell Micro-Electro-Mechanical Sensors (MEMS) for attitude and rate accuracy, and Honeywell-produced solid-state pressure transducers for air data reliability.

Attitude and Heading

Attitude and heading information is collected through each channel's CPU and sensor block. All components work together – CPUs and sensors collect, share and compare information. Isolated low-speed ARINC 429 transmitters continuously communicate AHRS information to ensure superior sensor accuracy, eliminating the need for external augmentation, such as GPS. This innovative architecture also enables ADAHRS to re-initialize in flight, providing an added level of safety for the pilot.

Air Data

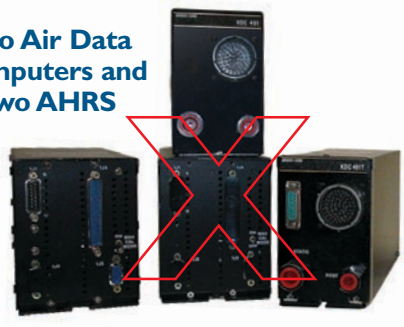
Using the same Honeywell technology tested and perfected in air transport and high-end business jets, the air data function is the most reliable system ever offered to general aviation. It senses pressure and calculates both indicated and calibrated airspeed, Mach number, pressure altitude, barometric-corrected altitude (#1 and #2), total air temperature, static air temperature and density altitude. The system is capable of static source error-corrected altitude and airspeed, as required to meet the accuracy requirements of Reduced Vertical Separation Minimum (RVSM). This data is supplied to the displays, automatic flight controls, flight management function and other peripheral systems, over isolated, high-speed ARINC 429 databuses.

One KSG 7200 Dual-Channel ADAHRS

KSG 7200

REPLACES

Two Air Data Computers and Two AHRS



Key Features and Benefits of ADAHRS:

- Honeywell-designed and -produced pressure and aviation-grade MEMS sensors for maximum accuracy and reliability – no GPS augmentation required
- Automated integrity monitor detects and eliminates incorrect attitude information, leading to improved safety and reduced pilot workload
- Proven, time-tested technology ensures lower cost of ownership over time
- System can re-initialize in flight
- RVSM-compliant air data computer
- Reduced space, weight and power requirements
- Remote-mounted for improved performance and ease of installation
- Automated aircraft alignment
- ARINC 429 digital output
- Airspeed gain scheduling of the flight control system
- Redundant sensor set for altimetry and airspeed
- Static Source Error Correction (SSEC) for either altitude or airspeed

Specifications

Height:	5.92 in. (15.04 cm)
Width:	5.79 in. (14.71 cm)
Length:	10.91 in. (27.71 cm)
Weight:	5.70 lbs. (2.59 kg)
Certification:	TSO C3d, C4c, C6d, C106d
Temperature Range:	-55°C to +70°C
Mounting:	Remote rack
Altitude:	55,000 ft. unpressurized
Cooling:	No external cooling required
Power Input:	15 to 34 VDC
Environmental Standard:	[A2F2]BBBSREWXXXXABA[BZ]ZKGMA3J33XXA

Honeywell

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