

AH-2100 Super AHRS

Honeywell



**High Performance Attitude
Heading Reference System
(AHRS)**

AH-2100 Super AHRS

Honeywell, a leader in navigation products and systems, introduces the latest in heading reference systems, the AH-2100. Dubbed Super AHRS, this new system uses strap down digital laser gyro technology and magnetic variation tables similar to more expensive inertial navigation systems (INS). The AH-2100 improves accuracy, provides greater safety and can accommodate future growth as the communication, navigation, surveillance operating environment becomes a reality for operators.

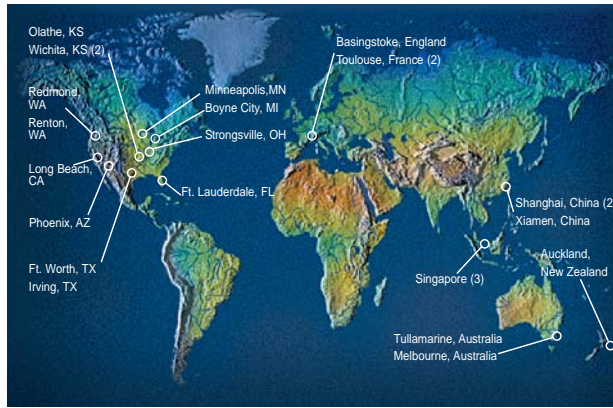
With heading splits and magnetic disturbance errors eliminated, Honeywell's Super AHRS provides noticeable improvements to the performance of your AHRS equipped aircraft.

Designed for growth:

- The AH-2100 Super AHRS is designed to be interchangeable with the Laseref V micro inertial reference system (IRS) and can be easily upgraded

Reduced maintenance cost:

- 25,000 operating hours predicted reliability — highest in the industry
- Elimination of the flux valve
- Elimination of compass calibration procedures



Worldwide customer support

All Honeywell products are based upon proven technology to provide you with exceptionally high quality and reliability. Our award-winning customer support includes regularly scheduled training classes worldwide for both flight crews and maintenance personnel.

When service is needed, our customer support engineers and service centers are strategically located around the world to provide efficient and responsive support. Our SPEX exchange service is available 24-hours a day, seven days a week.

AH-2100 SUPER AHRS CHARACTERISTICS:

Attitude (dynamic):	0.15 degree
Heading (dynamic):	1.0 degree
Free heading drift (unslaved):	0.1 degrees/hr
Software certification :	DO-178B level A
Hardware qualification:	DO-160D
Technical standard order (TSO):	C4c, C5e, C6d
Reliability:	25,000 op hours MTBF
Interfaces:	ARINC-429 I/O
Connector:	Mil-Std circular
Size:	6.5" x 6.4" x 6.4"
Weight:	9.8 lbs
Mounting tray:	0.5 lbs
Power (typical):	20 watts @ 28VDC
Cooling:	Passive
Mode controller:	Not used
Flux valve (magnetic sensor):	Not used
GPS or TAS Aiding:	Not used
Accelerometer sensor technology:	Quartz
Gyro sensor technology:	Digital ring laser

Accuracy two sigma or 95%

Aerospace Electronic Systems

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