



*Performance. Reliability.
Lower cost of ownership.
These are the qualities
you have come to expect
of the newer AHS-
3000A/S and AHS-
1000A/S systems.*

You rely on your aircraft and its systems to successfully and safely get you and your passengers to their destination, every time. Your aircraft has served you faithfully. You know its history. You rely on it to get you around the weather and to the destination on time, every time.

Confident. Reliable. Professional.

Do you worry about reliability of your aging equipment? Are you concerned how much longer repair parts are going to be available? Have you heard that the new equipment is smaller and lighter? A few dozen more pounds of payload would be nice.

When looking at the bottom line, new equipment must not only work with your current configuration, but the upgrades you are planning for in the future.

AVOID SERVICE INTERRUPTIONS WITH THE LIGHTER, MORE RELIABLE AND REPAIRABLE AHC-3000

Those older AHC-85 and gyros are out of production. Parts to repair these units are in very limited supply, and once they are gone there is no chance to repair the unit. Don't have an Aircraft On Ground (AOG) situation while looking for parts to repair your current AHC-85 or gyro.

In addition, the AHC-3000A/C are:

- > Nineteen pounds lighter than the AHC-85 and older gyro-based systems
- > Over 4 times more reliable than the AHS-85 and over 90 times more reliable than gyro-based systems
- > Cheaper to maintain
- > Repairable, with parts readily available

Dual System Comparison	Power (watts)	Weight (lbs.)	MTBF (hours)
Gyro-based	172	30	550
AHS-85	110	30	11,075
AHS-3000A/S	35	11	49,986

With Rockwell Collins' AHC-1000 and AHC-3000, you get highly reliable units that work with your current avionics and your future avionics upgrades.

Rockwell Collins is proud to offer additional value to your purchase through a limited time offer of CASP (Corporate Aircraft Service Program) discounts for both new and existing enrollments. CASP is a premier maintenance and cost management program, which assures maximum aircraft dispatch ability, minimum downtime, and reduced life cycle costs. Choose from 3 levels of service, tailored for your operational needs: CASP Essential, CASP, or CASP Elite.

AHS-3000A/S

The Rockwell Collins AHS-3000A/S is a replacement for AHC-85 (CSDB) and AHC-85E (A429) products. The solid-state construction includes no moving parts and has demonstrated mean time between failure (MTBF) over 45,000 hours. This high MTBF ensures dispatch ability and a lower cost of ownership when compared with gyroscopic based attitude and heading systems. What's more, the system is designed for operation in rotorcraft, fixed-wing aircraft, and military aircraft.

The primary function of the AHS-3000A/S is to provide measurements of the aircraft pitch, roll and heading Euler angles for use by the flight deck displays, flight control system, flight management system and other avionics equipment. In addition, high-quality body rate, Euler rate and linear acceleration outputs are provided for enhanced flight control system performance.

The AHS-3000A is designed to work with 6-wire flux detectors. The AHS-3000S is designed to work with Sperry 5-wire flux detectors. Installation is simple and utilizes existing aircraft wiring.

KEY BENEFITS OF THE AHS-3000A/S

- > Solid-state sensor technology for high reliability
- > Rugged digital quartz gyro
- > Low power consumption
- > Reduced installation cost
- > Reduced weight and size
- > High-integrity attitude information
- > Automated compass swing
- > ARINC 429 digital interface capabilities
- > Automated mount leveling
- > Advanced EMI/HIRF/lightning isolation
- > Ideal for fixed-wing, helicopter and aerobatic applications
- > Analog and synchro interface for retrofit applications
- > Use existing five or six wire flux detector interfaces
- > Replacement for AHC-85 (CSDB) and AHC-85E (A429)

AHS-1000A/S

Designed for non-ARINC 429-equipped aircraft, the Rockwell Collins AHS-1000A/S provides synchro and analog heading, attitude, rate and acceleration information to the flight deck and other on-board systems. The AHS-1000A replaces analog systems that use a six-wire flux detector, such as the Rockwell Collins DGS-65. The AHS-1000S replaces iron gyros that use a five-wire synchro flux detector interface. The systems easily accommodate both options without expensive and time-consuming aircraft rewiring. The AHS-1000() operates in Basic Mode and requires no air data inputs.

The system's compact design allows installation in restricted aircraft spaces. Mounting is accomplished without the additional weight and cost of a traditional mounting tray. The choice of installing the AHRS with or without the provided mounting flanges makes finding a suitable location much easier.

KEY BENEFITS OF THE AHS-1000A/S

- > Solid-state sensor technology for high reliability
- > Use existing five- or six-wire flux detector interfaces
- > Available with or without mounting flanges
- > Reduced weight, size and power requirements
- > Automated compass swing
- > Easier installation through new auto-leveling feature

CASP (CORPORATE AIRCRAFT SERVICE PROGRAM) SPECIAL INCENTIVES

Rockwell Collins is offering a CASP discount program when you take advantage of this Marketing Bulletin offer for remaining Rockwell Collins equipment in your aircraft.

For aircraft not currently enrolled in CASP, enroll within 30 days of placing an order for this upgrade and receive a 10% discount on the current CASP prices. Aircraft enrolled in CASP at the time of order placement will receive a 5% discount on their CASP renewal (in addition to the standard 10% renewal discount).

Aircraft that enroll (or are currently enrolled) on the CASP Elite package, receive a once per year \$5,000 discount towards the purchase of new equipment, and unlimited 10% Service Bulletin upgrade discount which may be applied towards equipment in this special price bulletin or future purchases.

For CASP details and other discounts that may be applicable to your aircraft, contact a CASP representative at 1.319.295.4361 or caspp@rockwellcollins.com. You may also visit CASP on RockwellCollins.com. Discounts listed in this bulletin may be combined with all other standard CASP discounts.

TRADE-IN CREDIT

A trade-in credit will be issued against the purchase of an AHC-3000A/S at the special program price upon Rockwell Collins receipt of an AHC-85/85E. Trade-ins are limited to one credit for each AHC-3000A/S purchased.

Dealer acceptance of Marketing in this bulletin obligates the dealer to pass the applicable equipment trade-in amount to the aircraft end operator.

TERMS AND CONDITIONS

Unless otherwise noted, this program is valid for orders placed between January 1, 2017 and December 31, 2017, with delivery requested by April 1, 2018. Warranty period is two years for new equipment and one year for modified equipment. Standard warranty does not apply to software.

AHS-3000A/S ATTITUDE HEADING AND REFERENCE SYSTEM^{1,4,5}

Type	Description	CPN	Qty
AHC-3000A ³	Attitude Heading Computer	822-1378-001	1
or			
AHC-3000A ³	Attitude Heading Computer (A429/CSDB)	822-1378-300	1
or			
AHC-3000A ³	Attitude Heading Computer (Lear 60)	822-1378-850	1
or			
AHC-3000S ³	Attitude Heading Computer	822-1800-001	1
MMT-3010 ^{6,7}	Multi Modular Mount	822-1290-003/004	1
ECU-3000 ²	External Compensation Unit	822-1200-XXX	1
Shipset SUBTOTAL			
EQUIPMENT TRADE-IN CREDIT			
SHIPSET TOTAL			

OPTIONAL- Not required for aircraft which already have FDU-70() Flux Detector Units installed.

Type	Description	CPN	Qty
FDU-3000	Flux Detector Unit	822-1193-001	1
or			
323A-2G	Flux Detector Unit	522-4945-001	1

NOTES

1. Required minimum equipment purchase to receive unit program price includes: (1) AHC-3000A or AHC-3000S, (1) ECU-3000, and (1) MMT-3010.
2. If a unique configuration of a ECU-3000 is required, a one-time engineering fee will apply to cover the development cost.
3. The AHC-3000A is compatible with the FDU-70 and FDU-3000. The AHC-3000S is compatible with the 323A-2G and ARINC standard 5 wire flux detectors.
4. Please consult with your Rockwell Collins Regional Sales Manager/Customer Support Engineer to ensure the aircraft autopilot system is compatible with AHS system. For example, the Rockwell Collins APS-65 system requires hardware and software changes to the APC along with aircraft wiring changes.
5. Multiple STCs are available for the AHS system. Please consult with your Rockwell Collins Regional Sales Manager for available STCs.
6. The MMT-3010, 822-1290-003 has knurled hold downs.
7. The MMT-3010, 822-1290-004 has hex nut hold downs for precise torqueing. This is preferred for turbo prop installations.

AHS-1000A/S ATTITUDE HEADING AND REFERENCE SYSTEM^{1,4,5}

Type	Description	CPN	Qty
AHC-1000A ³	Attitude Heading Computer	822-1871-201	1
or			
AHC-1000S ³	Attitude Heading Computer	822-1868-201	1
ECU-3000 ²	External Compensation Unit	822-1200-XXX	1
SHIPSET TOTAL			

OPTIONAL- NOT REQUIRED FOR AIRCRAFT WHICH ALREADY HAVE FDU-70() FLUX DETECTOR UNITS INSTALLED.

Type	Description	CPN	Qty
FDU-3000	Flux Detector Unit	822-1193-001	1
or			
323A-2G	Flux Detector Unit	522-4945-001	1

NOTES

1. Required minimum equipment purchase to receive unit program price includes: (1) AHC-1000A or AHC-1000S, and (1) ECU-3000.
2. If a unique configuration of a ECU-3000 is required, a one-time engineering fee will apply for to cover the development cost.
3. The AHC-1000A is compatible with the FDU-3000. The AHC-1000S is compatible with the 323A-2G and ARINC standard 5 wire flux detectors.
4. Please consult with your Rockwell Collins Regional Sales Manager/Customer Support Engineer to ensure the aircraft autopilot system is compatible with AHS system. For example, the Rockwell Collins APS-65 system requires hardware and software changes to the APC along with aircraft wiring changes.
5. Multiple STC's are available for the AHS system. Please consult with your Rockwell Collins Regional Sales Manager for available STC's.

How can we help?

Please call Rockwell Collins Customer Support at +1.319.295.5000.

Building trust every day.

Rockwell Collins delivers innovative aviation and high-integrity solutions to commercial and government customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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