HUMS FACT SHEET





STC No.: SR02120NY-D		Agusta Bell AB139
STC Holder: Honeywell International I 23500 W. 105th Street Olathe, KS 66061	nc	
STC Issue Date:	2006 SEPT	
STC Reissue Date:	2009 JUN	
Applicable to:	AB139	
HUMS Model:	Model VXP	

NOTE:

Supports either Pratt & Whitney or Turbomeca engines

SUMMARY:

Honeywell has developed an automated vibration monitoring system for the Agusta Bell AB139 helicopter. The VXP Kit provides the AB139 helicopter a comprehensive rotor, engine and drive train system vibration monitoring capability.

The system utilizes its vibration monitoring capability to make discretionary rotor and balance adjustments. No pilot interface is required during flight operations. The Rotor Track & Balance (RT&B) solution generated on-board and downloaded to the PC ground station for display to the maintenance personnel.

The on-board system automatically acquires and processes sensor data, continuously monitors realtime condition and health indices, records aircraft intelligent information and saves data for post-flight analysis in the ground station.

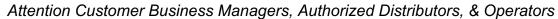
Software provided with the ground station assists maintenance personnel to perform aircraft maintenance and troubleshooting. For QA personnel, the software allows the review of the aircraft condition and health status, perform analysis, trending, and analysis to generate maintenance action (work order).

Operators are utilizing the information from the VXP to enhance safety, reduce maintenance costs, and increase aircraft availability.

MAJOR COMPONENT PART NUMBERS:

Part Number	Qty	Description	
915-17533	1	AB139 VXP Installation Kit	
901-17546	1	Cockpit Control Unit	
906-17784	1	Remote DU, Center Console Panel	
901-11800-3	1	Optical Blade Tracker	
906-17790	1	Tracker Bracket	
901-17330	1	VXP Display Unit	

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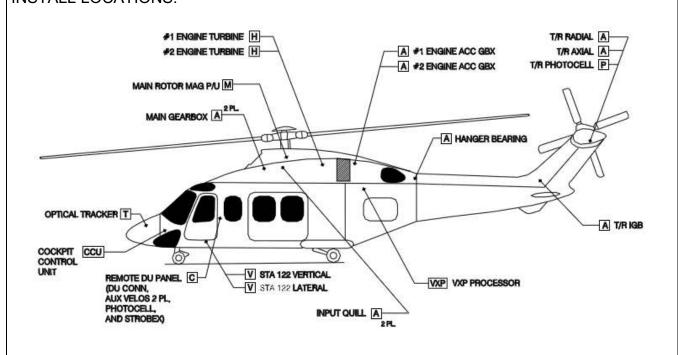
Agusta Bell AB139

SENSORS:

15 Vibration sensors and 2 tachometer/photocell inputs

Tail rotor radialTail rotor axialTail rotor IGBMGB input #1MGB input #2Hanger bearingCabin lateralCabin verticalEngine #1 turbineEngine #2 turbineMGB quillEng #1 ACC GBEng #2 ACC GBTail rotor tachometerMain rotor tachometer

INSTALL LOCATIONS:



OPTIONS:

For technical support and additional information, please contact:

Brian C. Hatcher Neil Seamon

Phone: (909) 930-3600 Ext. 222 Phone: (909) 930-3600 Ext. 228

Cell: +1-949-690-2914 Cell: +1-949-232-3760

brian.hatcher@dsi-hums.com neil.seamon@dsi-hums.com

Document Number 26357 REV A