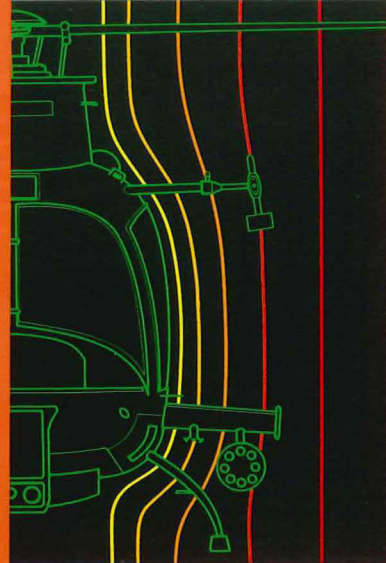


FIRE CONTROL

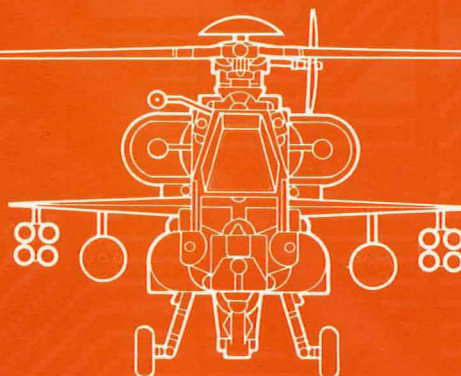


FLIGHT CONTROL

HADS

HELICOPTER
AIR DATA
SYSTEMS

PILOT DISPLAY



FLIGHT SAFETY

GEC AVIONICS



HADS

HADS provides accurate air data information for the full flight envelope of any helicopter.

The intelligent application of technology



A unique swivelling probe sensor positioned under the rotor measures airflow velocities, angles and temperature. The sensor information is passed to an electronic unit where it is processed with the helicopter characterization data. The resultant analogue or digital outputs are distributed to user systems such as Fire Control, Flight Control and Cockpit Displays. The outputs consist of the usual air data parameters plus true three axis velocity and rotor downwash velocity. This data is accurate for all flight conditions, thus improving fire control accuracy when operating in the hover.

HADS is the world's first digital air data computer specifically designed for helicopters. Over 1300 of these advanced systems have been provided for use on the AH-1S Cobra, A-129 Mongoose and EH-101.

Extensive Built-In-Test provides fault detection and isolation to the defective unit on the aircraft and assists fault diagnosis using bench test equipment off the aircraft.

Operating experience of HADS has been gained on more than 12 types of helicopter. It is used as the primary flight reference by several flight test organisations. From this experience successful integration and calibration of the equipment on any helicopter is assured.

This document gives only a general description of the product(s) and shall not form part of any contract. From time to time changes may be made in the product(s) or in the conditions of supply.

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