

Eurofighter HOTAS test set

2nd Line testing of cockpit HMI equipment

Features

- Automated testing of HOTAS and under-carriage selector switch
- All switch operations tested
- Insulation resistance testing
- Simple, clear user interface
- On-screen test instructions
- Built-in Self Test of test sequence and unit insulation resistance

The Hands-On Throttle and Stick (HOTAS) test set provides full off-aircraft serviceability testing of four of the main human-machine interface line replaceable units within the Eurofighter Typhoon aircraft. These are the stick-top controller, both engine throttle controls and the landing gear selector switch.

In order that the test set does not require a regular calibration cycle connections for external, calibrated test equipment commonly available at 2nd line maintenance locations are provided. High voltage relays are used to configure all mutually isolated circuits for each LRU allowing insulation testing to be performed at 500V. Low voltage relays are used to configure switch selection and status monitoring according to user instructions provided on a four line digital display fitted on the test set front panel.

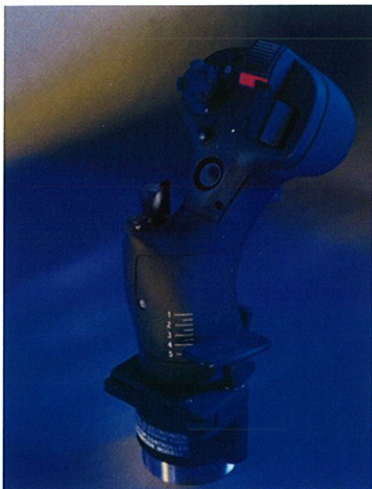
Benefits

- Unit does not require calibration as all measurements are made by external calibrated instruments as available.
- Single, self contained, man transportable test set provides testing for 4 LRUs
- All LRU interfaces made via aircraft standard mating connectors and mechanical mounting platforms
- 'Mimic panel' display clearly identifies switch tests and contact functionality to the user
- Modular internal construction allows efficient service and repair
- Processor-less testing minimises costs of software development and maintenance
- Powered from 28V DC

Equipment support and end-user training...

Training

Ultra Electronics provides detailed hands-on training at our Cheltenham site to maintenance personnel from the various user communities including air-forces, OEM and training establishments. This covers an understanding of the products themselves, how to repair the LRU to the appropriate level and the use of the HOTAS test set to diagnose fault and prove the repair. Ultra can also provide 'train the trainer' courses as required.



Training can also be given in the use of any of Ultra Electronics' test solutions including the fuel system test set, nose-wheel steering, data-bus test set.



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Platforms covered include the Eurofighter Typhoon, Hawk, Jaguar and Tornado aircraft.

User Interface

The HOTAS test set provides clear instructions and test status reports to the user via a 4-line digital display and guides the user through testing each LRU via a mimic panel. This panel illuminates a diagram of each LRU to allow clear contact monitoring and indicate the next switch to be tested for switches without visible legends.

Environmental Specification

- Temperature: 0 - 50°C
- Vibration: Standard 2nd Line Logistics Transportation
- CE Marked (*all units manufactured after 2009*)

Ordering Information

- Ultra Part no.: 683400100
- AGERD 1073
- NSN 4920-99-789-5305

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