



Technical Note - IFa14

DMA-Aero

Aircraft Interfaces - MPS Testers

DMA-Aero offer as additional, optional features, an aircraft data bus interface and other communication interfaces to be fitted into their air data test sets.

This aircraft interface then allows the user to interrogate the flight data computer and read out, onto the test set display, the values of the pitot-static parameters as seen by the aircraft, along with the simulated values being generated by the MPS and input to the ADC.

The ARINC 429 bus can be installed in the MPS and operate in the both the "SEND" and "RECEIVE" modes.

The MPS instruments allow the operator to view the various pitot-static related labels on the tester display. These parameters are shown one at a time and via the scroll keys on the instruments keypad the operator can step through the various parameters. This enables the operator to see both the test pneumatic values being generated by the tester and the same value as interpreted by the aircraft air data system.

An interface connector is provided on the front panel of the MPS, in the form of a BNC plug/socket and a flexible cable for interfacing to the aircraft.

Additionally interfaces can be installed such as the IEEE and USB ports for remote control from a PC or allowing the MPS instruments to be incorporated into ATE systems.

Ongoing development results in specifications
being subject to change without notice



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