



D. Marchiori

Pitot-static Adapters

- Complete pitot-static adapter systems with hoses
- Angle of Attack probe adapters
 - Compatible with DMA air data testers
 - Seal replacements supplied
 - Vacuum hold-down for static ports
 - Custom adapters - design and manufacture



Pitot-static adapters

THE DMA PITOT-STATIC ADAPTERS

In addition to the wide range of Air Data Test Sets manufactured by DMA, the Company also provides the essential interface to the aircraft in the form of pitot-static adapters. The adapters are available to match the individual requirements of a multitude of aircraft types for fixed and rotary wing aircraft, commercial transports, business jets, drones and fast jets. Adapters are available not only for straightforward pitot probes and static ports but also for aircraft that utilise pneumatic angle of attack sensors or smart probes. The wide range of adapters manufactured by DMA are each individually designed for a specific aircraft.

ADAPTER DETAILS

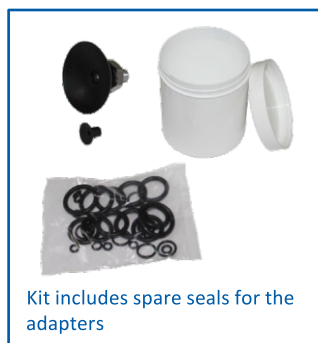
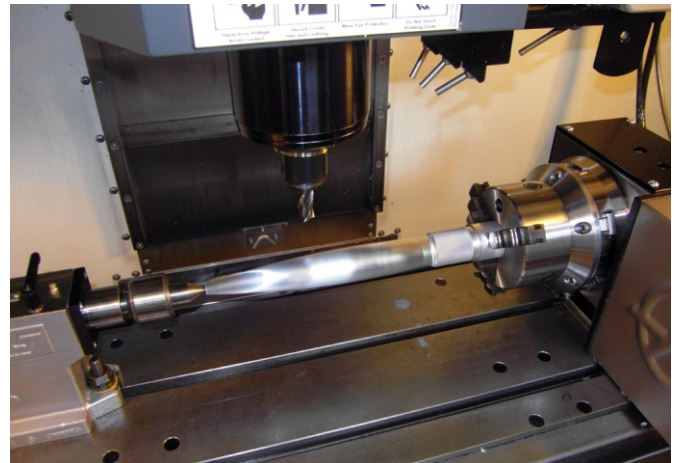
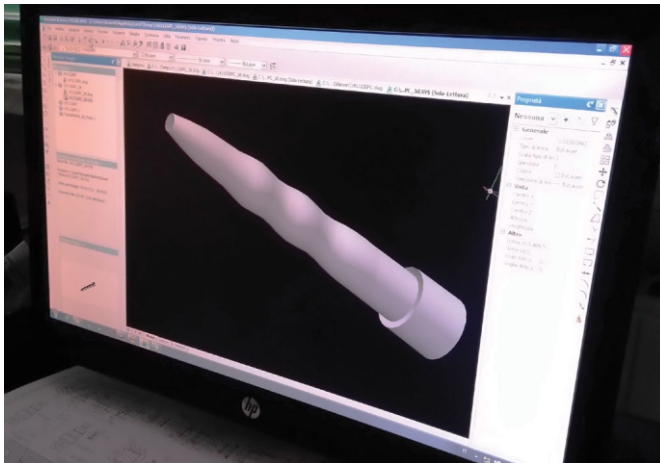
With all adapter kits and individual adapters, full details of the adapter assembly are provided to assist in both the proper use of the parts and any maintenance of the adapter that may be required.

ADAPTER KITS

DMA recommend the use of the full aircraft adapter kits based on our knowledge of the various complex aircraft systems and our ability to supply all the various adapters and fittings to match the DMA MPS air data test sets to the aircraft.

These full complement adapter kits are supplied complete with all the necessary hoses and mating fittings to connect the adapters to the DMA air data test set. Spare O-ring seals are also included enabling the user to replace any damaged seals in service. The entire kit is supplied in a rugged case for use in the flightline environment.

The kits are compatible with non-DMA air data testers other than the need to modify mating connectors as necessary. Additionally a vacuum source for the Static fuselage adapters may be required, see the details of the DMA DMAKV2 described later.



Kit includes spare seals for the adapters

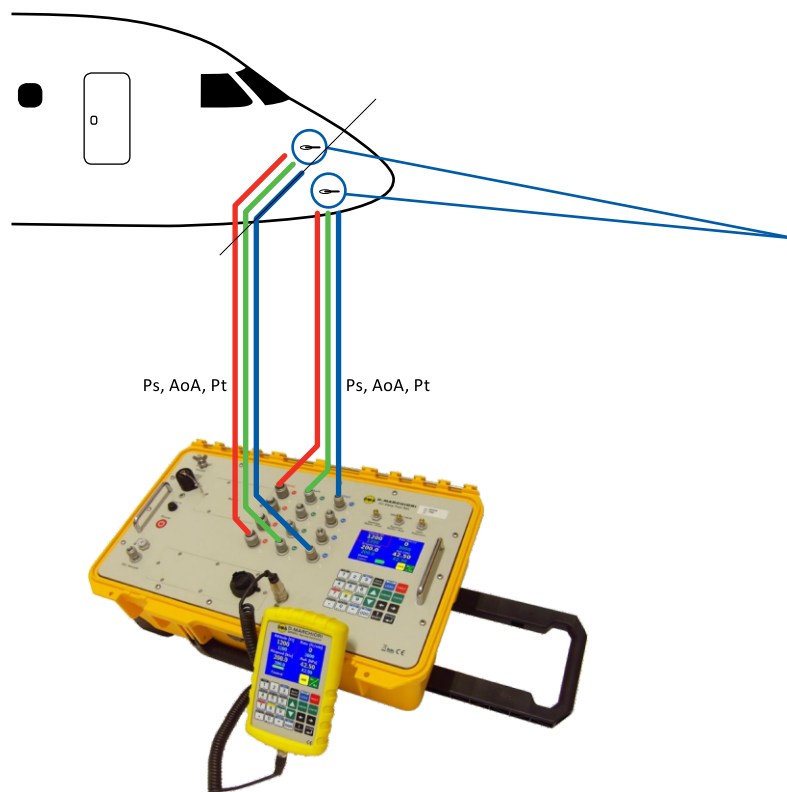


Typical adapter kit

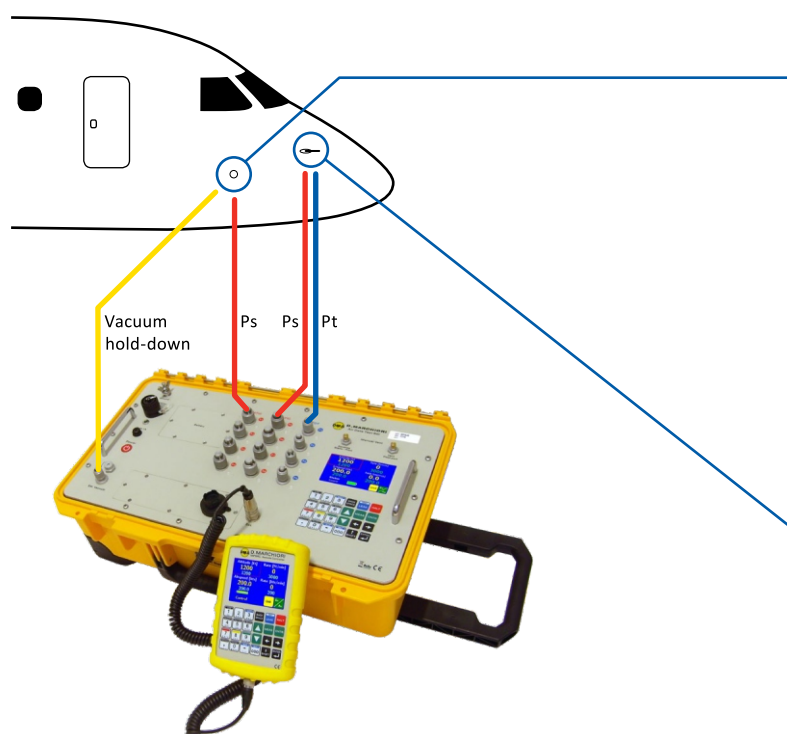


Dummy probes included for leak testing the full kit

MULTI-PORT 'SMART' PROBES



PITOT-STATIC PROBES AND STATIC PORTS



Pitot-static adaptors



VACUUM HOLD-DOWN

DMA utilise a vacuum hold down feature for the fuselage static adapters. This enables us to provide systems that do not compromise the integrity of the static port hole dimensions. If the adapters are being used with the DMA MPS range of air data testers then, other than the MPS43, the test set provides the necessary vacuum source for the hold-down. For use with testers not supplying a vacuum the DMA DMAKV2 is available to meet the supply needs. For aircraft static ports where there exists screw down features the DMA supplied adapters do include the mating screws.

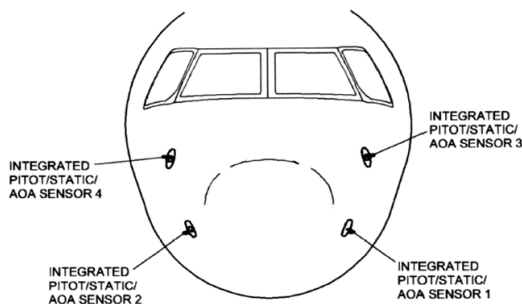
INDIVIDUAL AND CUSTOM ADAPTERS

In addition to the fully capable adapter kits, DMA also provide individual adapters for users to employ as they wish with their own hoses and pneumatic accessories. DMA additionally design and manufacture adapters for new or custom applications. Please contact us for further information.

Care is taken in the design to make maximum use of commercially available renewable components such as O-ring seals, pressure fittings and hose material so that these can be sourced either from DMA or any suitable supplier world wide.

ADAPTER KIT DOCUMENTATION

As well as the individual adapter assembly drawings covered on page 2, kits for aircraft with multiple ports include documentation showing probe location and identification, as in the example diagram below.



ORDERING DETAILS

DMA produce a whole range of aircraft specific adapter kits and individual adapters.

Please provide us with full aircraft details and requirements and we will provide you with information on the full range of our equipment appropriate to your requirements.

Ongoing development results in specifications being subject to change without notice



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Representative