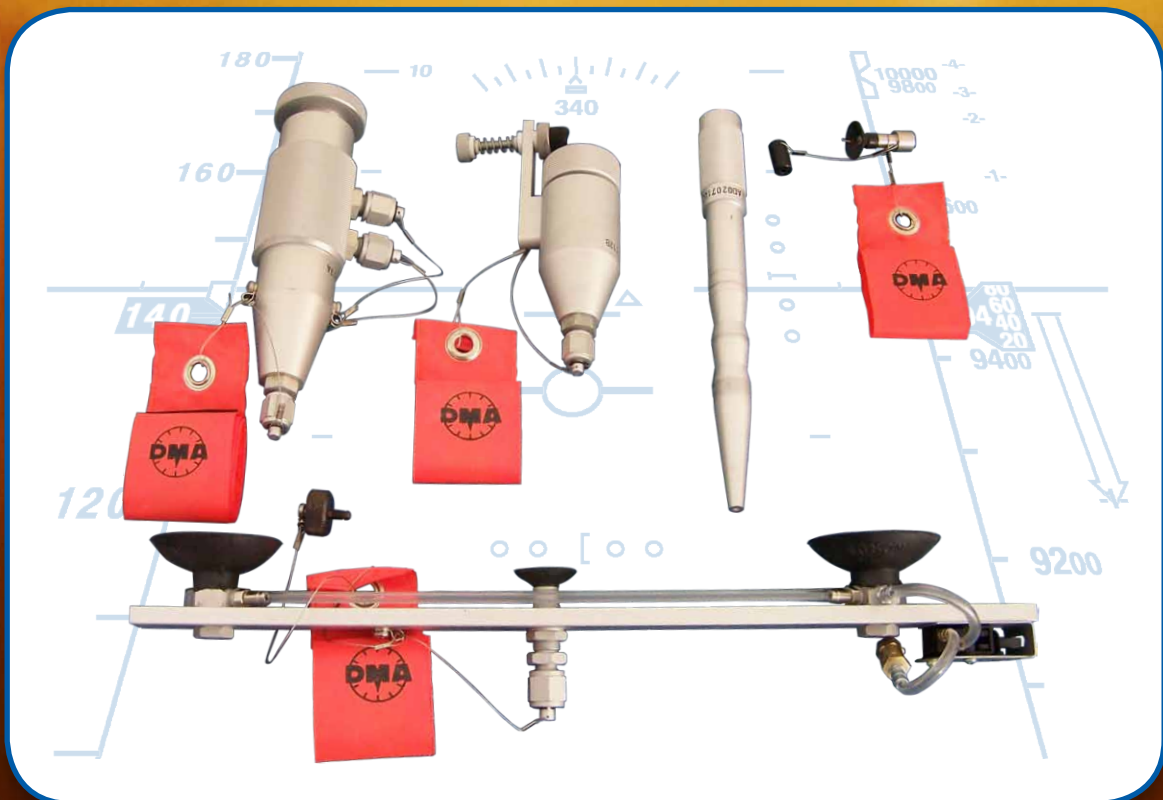




D. Marchiori

# Pitot-static Adaptors

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



# Pitot-static adaptors

## THE DMA PITOT-STATIC ADAPTORS

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 adaptors. The adaptors 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. Adaptors 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 adaptors manufactured by DMA are each individually designed for a specific aircraft.

## ADAPTOR DETAILS

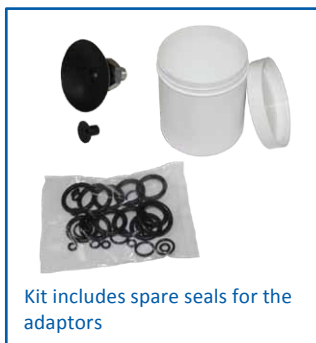
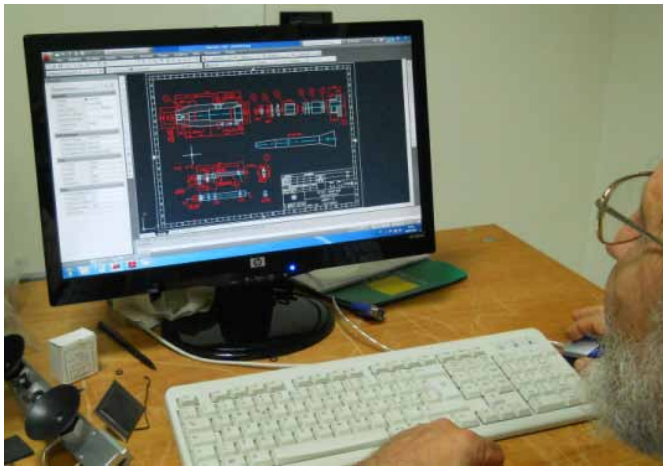
With all adaptor kits and individual adaptors, full details of the adaptor assembly are provided to assist in both the proper use of the parts and any maintenance of the adaptor that may be required.

## ADAPTOR KITS

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

These full complement adaptor kits are supplied complete with all the necessary hoses and mating fittings to connect the adaptors 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 adaptors may be required, see the details of the DMA DMAKV2 described later.



Kit includes spare seals for the adaptors

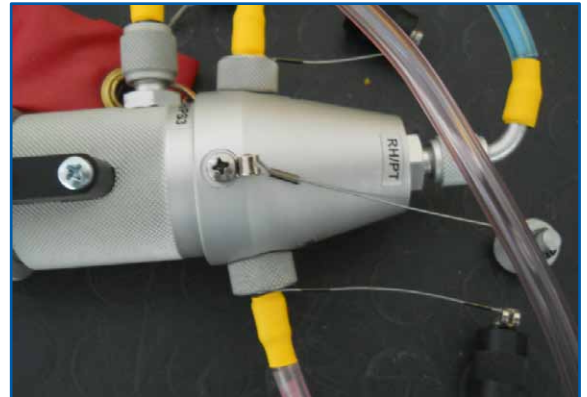
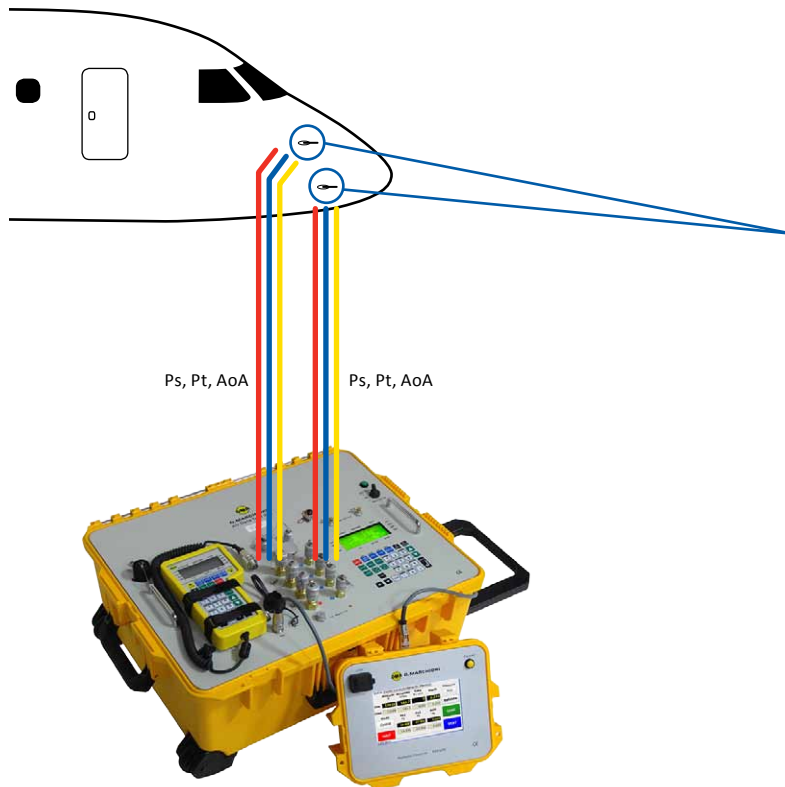


Typical adaptor kit

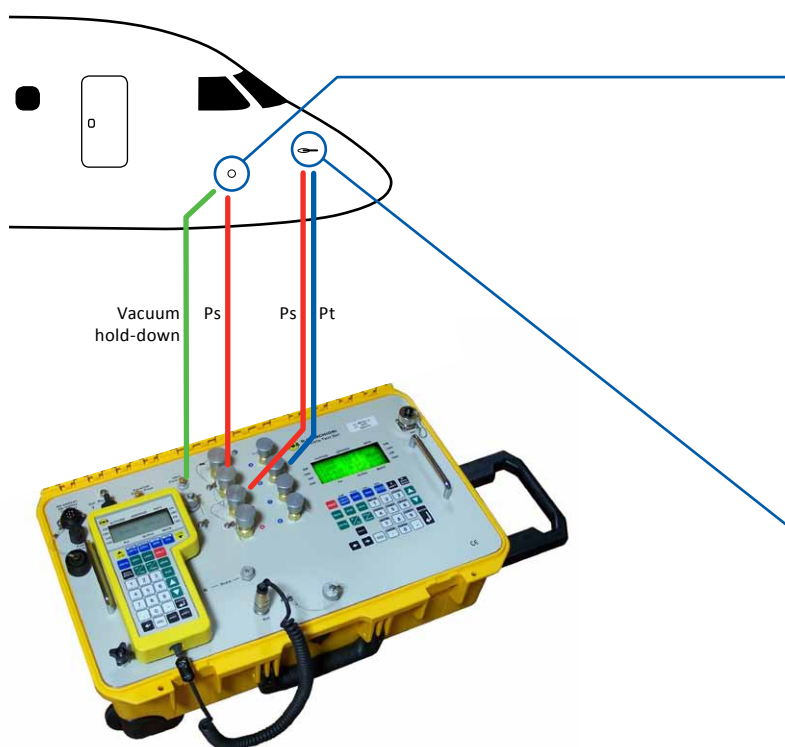


Dummy probes included for leak testing the full kit

### 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 adaptors. This enables us to provide systems that do not compromise the integrity of the static port hole dimensions. If the adaptors 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 adaptors do include the mating screws.

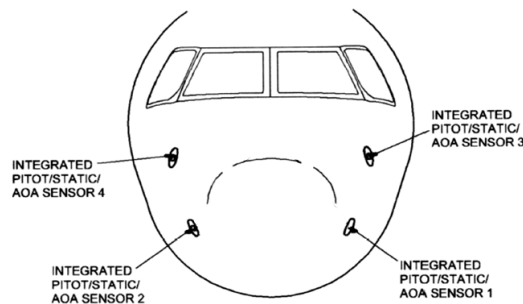
## INDIVIDUAL AND CUSTOM ADAPTORS

In addition to the fully capable adaptor kits, DMA also provide individual adaptors for users to employ as they wish with their own hoses and pneumatic accessories. DMA additionally design manufacture adaptors 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.

## ADAPTOR KIT DOCUMENTATION

As well as the individual adaptor 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 adaptor kits and individual adaptors.

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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