

AIRR Engineering

The SmartProbe Angle Of Attack Pitot/Static Probe

is a major step forward in avionics data transmission but at the same time it creates the challenge of making a solid Pitot adapter connection. AIRR Engineering once again started with a clean sheet of paper to create a multi-faceted approach to sealing the various zones of the intricate AOA probe.

Patent Pending

SmartProbe AOA Pitot/ Static Adapter Kits



Custom fitted rolling case included.

SmartProbe AOA Pitot/Static Adapter Features:

- Fast, consistent, reliable installation
- Forced positive AOA seal engagement
- 100% O-ring connections
- Tough, lightweight, compact color-coded polyurethane ribbon hoses
- Complementary test plugs and spare seal kits
- Includes two Pitot Saver pitot heat safety alarms.



Smart Probe
AOA Pitot/
Static Adapter
With Safety
Alarm

Air Data Isolation & Distribution Manifold



Conventional plumbing for Pitot adapter test kits is awkward, complex and creates unnecessary aggravation and chances for leaks. Among other weaknesses, the threaded connection count is simply staggering. The good news is that the current arrangement offers a great opportunity to streamline the hardware to a much more manageable and reliable configuration without sacrificing any functionality.

Patent Pending

Manifold Features:

- Almost complete elimination of leaky threaded connectors replaced by a limited number of reliable O-ring interfaces
- Individual isolation valves for PT, PS1 and PS2 to close each port of each adapter independently without breaking any connections
- One multi-port FAST connector at both ends of the ribbon hose set for each Pitot adapter
- Set-up in under 30 minutes
- Compact, light-weight, robust design without the need for hose supports on the fuselage
- Nearly fourfold reduction of dangling cables and dust covers
- Reduced kit cost and operating expenses
- Two Year material and workmanship warranty
- **FAST, CONSISTENT, LEAK-FREE EXECUTION. DID WE MENTION THAT IT IS VERY, VERY FAST?**

Kit Ordering Information:

Airbus A-220	PN: A220-IMQD-PS	Bombardier Global 7000	PN: GL7K-IMQD-PS
Falcon 7X	PN: 7X-IMQD-PS	Bombardier Global 8000	PN: GL8K-IMQD-PS
Falcon 8X	PN: 8X-IMQD-PS	Gulfstream G500	PN: G500-IMQD-PS
Embraer ERJ 170	PN: ERJ170-IMQD-PS	Gulfstream G600	PN: G600-IMQD-PS
Embraer ERJ 190	PN: ERJ190-IMQD-PS	Gulfstream G650	PN: G650-IMQD-PS
Embraer Lineage 1000	PN: LIN1K-IMQD-PS	Gulfstream G700	PN: G700-IMQD-PS
Embraer Phenom 300	PN: PHE300-IMQD-PS	HondaJet HA-420	PN: HA-420-IMQD-PS

AIRR Engineering, LLC • 10045 Aeronca Ln. • McKinney, Texas 75071

Cage Code: 82YF6

www.airrengineering.com • 214-217-7600

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