

Air Data Test Set

CAPABILITY SHEET · TWO PRESSURES · LIMITS · LEAK HOLD · ENGINEERED TO ORDER

THE ONE IDEA

PRINCIPLE An air data test set is judged by how steadily it holds two pressures and how safely it moves them.

WHY IT MATTERS Speed and height are read from pressure: a rough set breaks capsules, and a set that cannot hold hides leaks.

THE SET

PRESSURES A static channel and a pitot channel, each controlled, set from a commanded height and speed by the standard atmosphere.

LIMITS Programmable limits on the rate of climb, the rate of speed change, the speed and the difference between the two pressures.

HOLD A timed leak hold at every test point that reports the drift in height and speed.

CONNECTIONS Hoses and keyed adapters for the instrument or the aircraft ports, with the pitot hose connected first.

THE METHOD

ORDER Specify, connect, limit, raise, hold and prove. The limits and the hold are what a quick test skips.

RANGES The ranges, rates and leak limits come from the customer's maintenance data and are not printed here.

CONFIGURATIONS

PORTABLE SET A case, hoses and a pump for the ramp and the hangar floor, with a built-in leak hold.

BENCH SET A manifold for several instruments at once, with fine control near each test point.

PROGRAMMED SET Test points and holds run and logged by a PLC or computer, for every instrument.

STANDARDS & SCOPE

STANDARDS Public reference: ISO 2533 for the standard atmosphere that relates pressure to height.

SCOPE BOUNDARY It tests pitot-static instruments and lines. It is not a gauge calibration bench, a liquid-circuit rig, or electronics test equipment.

STATUS Neometrix has quoted against successive air data test requirements, and no delivered air data test set is claimed.

DEFENCE PROGRAMMES DESK

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