



Remote Unit with Touch



Automated Pitot Static Tester (RVSM)..... for small Jets
(with internal Battery)

Model 6250 Automated Pitot Static Tester (RVSM) (for small Jets)

The Model 6250 is used to perform leak-checks and accuracy checks on the Pitot Static systems of RVSM aircraft. Accuracy checks are typically performed on altimeters, airspeed indicators and VSI's. The high accuracy of the Static output is fully compliant with RVSM requirements. The high accuracy of the Pitot output is ideally suited for checks at low airspeeds. The Model 6250 is equipped with a Remote unit which has a large sunlight-readable display and touch-screen. A redundant keypad is also included. An internal 8-hour battery (optional) makes the tester completely portable. The wide operating temperature (optional) makes it usable in any environment. The "Profiles" feature makes it very easy to use. Calibration is required only once a year. With these distinctive features, the Model 6250 is the ideal Pitot Static tester for small RVSM Jets.

Specifications

Static Output

Units feet, meters, inHg, mbar,
psi, mmHg, kg/cm²

Pressure function

range: 1 to 32 inHg
resolution: 0.001 inHg
accuracy: 0.003 inHg

Altitude function

range: -2000 ft. to 50,000 ft.
resolution: 1 foot
accuracy: 3 ft. @ 0 ft.
4 ft. @ 10,000 ft.
6 ft. @ 20,000 ft.
9 ft. @ 35,000 ft.
18 ft. @ 50,000 ft.

Climb function

range: 0 ft/min to 10,000 ft/min
resolution: 1 ft/min
accuracy: 1% of rate of climb

Pitot Output

Units knots, Mach, kmph, mph, inHg,
mbar, psi, mmHg, kg/cm², EPR

Pressure function

range: 0 to 15 inHg (diff.)
resolution: 0.001 inHg
accuracy: 0.003 inHg (or better)

Airspeed function

range: 0 to 500 knots
resolution: 0.1 knots
accuracy: 1.0 knots @ 20 knots
0.3 knots @ 50 knots
0.2 knots @ 100 knots
0.1 knots @ 200 knots
0.04 knots @ 500 knots

Airspeed rate: 0 to 500 knots/min

Mach function

range: 0.0 to 1.0 Mach
resolution: 0.001 Mach
accuracy: 0.001 above 0.2 Mach

EPR function

range: 0.9 to 16
resolution: 0.001
accuracy: 0.002 typ.

Features

- Fully automated, high-precision control
- Profiles – 15 profiles with 50 points each
- "Jog" – Change targets in steps of 1 foot or 1 knot using arrow keys
- Altitude offset correction
- Programmable Limits
- Protection against negative airspeed
- Self Test checks all internal functions
- "Go To Ground" feature
- Automatic ambient-pressure sensing
- Manual vent valves for emergency venting
- Independent or simultaneous leak-checking on Pitot and Static outputs
- Instant leak-rate display enhances leak-detection
- Aircraft instruments protected against large leaks
- Strong pumps have minimum 5000-hour life
- Calibration required only once a year
- 5.8" ultra-bright sunlight-readable color display
- High resolution touch can be operated with gloves
- Touch can be disabled
- Redundant keypad provides backup for Touch
- Internal battery (optional) provides 8 hours of operation
- Optional extended temperature for cold climates
- Pull-out handle and wheels for easy portability

Power requirement

90-260 VAC, 47-440 Hz ; 100 W
Optional Internal battery: 8-hour operation

Interfaces

RS232 ; Encoder optional

Dimensions & weights

Main unit: 22" x 14" x 9" / 28 lbs
Remote unit: 6" x 6" x 1" / 1 lb.

Environmental specs:

Operating temp: 0° to 50°C ; -30° to 50°C (optional)
Storage temp.: -30° to 75°C
Humidity: 5 to 100%

Specifications subject to change without notice

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