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6200



Wifi-enabled



Automated Pitot Static Tester *for Helicopters and non-RVSM aircraft*
(with internal Battery)

Model 6200 Automated Pitot Static Tester (for Helicopters & non-RVSM aircraft)

The Model 6200 is used to perform leak-checks and accuracy checks on the Pitot Static systems of non-RVSM aircraft. Accuracy checks are typically performed on altimeters, airspeed indicators and VSI's. The high accuracy of the Pitot output is ideally suited for checks at low airspeeds. The Model 6200 is equipped with a Remote unit which includes a keypad and a large sunlight-readable display. 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. The 6200 is also WiFi-enabled, which enables wireless remote control using an iPad or other tablet. The Model 6200 is the ideal Pitot Static tester for helicopters and non-RVSM aircraft.

Specifications

Static Output

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

Pressure function

range: 1 to 32 inHg
resolution: 0.001 inHg
accuracy: 0.005 inHg

Altitude function

range: -2000 ft. to 50,000 ft.
resolution: 1 foot
accuracy: 5 ft. @ 0 ft.
6.5 ft. @ 10,000 ft.
10 ft. @ 20,000 ft.
15 ft. @ 35,000 ft.
30 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
- 3 Leak-timers can be programmed for timed-leaks between 1 and 20 minutes.
- 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
- Keypad allows for easy and reliable data-entry
- 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 (200W with heaters)
Optional Internal battery: 8-hour operation

Interfaces

Wifi, RS232 ; Encoder optional

Dimensions & weights

Main unit: 22" x 14" x 9" / 30 lbs
Remote unit: 6" x 6" x 1" / 1.8 lb.

Environmental specs:

Operating temp: 0° to 50°C ; -40° to 50°C (optional)
Storage temp.: -40° to 75°C
Humidity: 5 to 100%

Specifications subject to change without notice

5/17



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