LAVERSAB

MODEL 6300-M3

Military Pitot Static Tester

Specifications on back

Model 6300-M3 Automated Pitot Static Tester

The 6300-M3 Automated Tester is designed to connect directly to an aircraft's Pitot and Static system. Using the small and light-weight Remote unit a user can operate the tester from the cockpit and use it to test the entire pitot and static system of the aircraft, including altimeters, climb indicators, airspeed / Mach indicators, air data computers and auto-pilots. The tester includes built-in vacuum and pressure pumps and emergency manual bleed-down valves. The operator simply connects power, and the pitot and static hoses, to make the unit operational. The high accuracy of this unit meets the latest RVSM requirements. Also, it needs to be calibrated only once a year. The use of "Profiles" makes it possible for the operator to run through a test using only a single key on the Remote unit. The wide operating temp. makes it ideal for military applications.

Specifications

Static Output

Pressure function

range:	0.1 to 42 inHg
resolution:	0.001 inHg
accuracy:	0.002 inHg

Altitude function

range:	-4000 ft. to 100,000 ft.
resolution:	1 foot
accuracy:	2 ft. @ 0 ft.
	6 ft. @ 35,000 ft.
	12 ft. @ 50,000 ft.
	50 ft. @ 80,000 ft.

Climb function

range:	0 ft/min to 50,000 ft/min
resolution:	1 ft/min
accuracy:	1% of rate of climb

Pitot Output

Pressure function

range:	0.1 to 110 inHg
resolution:	0.001 inHg
accuracy:	0.003 inHg

Airspeed function

range:	0 to 1100 knots
resolution:	0.1 knots
accuracy:	1.5 knots @ 20 knots
	0.5 knots @ 50 knots
	<0.25 knots above 100 knots
	<0.1 knots above 300 knots
Airspeed rate:	0 to 800 knots/min

Mach function

range:	0.0 to 5.0 Mach
resolution:	0.001 Mach
accuracy:	0.001 above 0.2 Mach

EPR function

range:	0 to 199
resolution:	0.001
accuracy:	0.001 typ.

"Jog" feature

Allows set-point to be increased or decreased in steps of 1 foot or 0.1 knots simply by using arrow keys.

"Profiles" feature

A profile of the standard set-points of an altimeter check or airspeed check can be downloaded from a computer. Such a profile allows the user to operate the unit using a single key. Up to 20 such profiles can be stored in the unit. PC-based software is included.

Pressure & Vacuum system

The tester includes separate pressure and vacuum diaphragm pumps for higher reliability. The pressure system includes a membrane dryer, and a filter to provide clean dry air for the entire system.

Remote unit

The Remote unit is the operator interface for the tester. It is small and light enough to be used in the cockpit. The tester can be turned On and Off from the Remote. All valid parameters, including altitude, climb and airspeed, are clearly displayed simultaneously on a single screen on the Remote.

Manual Vent

The tester includes manual metering valves to enable the system (aircraft) to be manually vented in the event of a power-loss.

Power requirement

90-260 VAC, 47-440 Hz. or 28 VDC
150W (300W when heaters ON)

Interfaces

RS232, IEEE-488, Encoder

Dimensions & weights

Main unit: 22" x 14" x 9" / 44 lbs
Remote unit: 7" x 8" x 2" / 1 lb.

Environmental specs:

Operating temp.	-40° to 55°C
Storage temp.	-55° to 85°C
Humidity:	5 to 95% non-condensing

Specifications subject to change without notice

6/06

LAVERSAB

Houston, TX
USA

Phone: (800) 285-7337
(281) 325-8300
Fax: (281) 325-8399
Website: www.laversab.com
E-mail: sales@laversab.com