

The Model 3682 Air Data Calibrator is designed to perform automatic and manual calibrations of various types of instruments and testers in their data pressure range.

Typical instruments and equipment that can be calibrated with this model include:

- Air Data Test Sets
- Air Data Computers/Controllers
- Aircraft Altimeters, airspeed indicators, and vertical speed indicators
- Laboratory pressure and vacuum instruments, barometers, and pneumatic recording devices.

The primary operation and information center of the Model 3682 is the touch panel display. The Model 3682 System is housed in a bench-top console 24" wide X 20" high X 18" deep and weighs 75 pounds. All functional components are mounted to a chassis which is attached to the front panel. A hinged, removable top/back panel allows access to all circuit boards without removing the chassis.



Model 3682 Air Data Calibrator

Global Provider of Test & Measurement Solutions



Model 3682 Air Data Calibrator Specifications

Physical

Console size	24"W x 20"H x 18"D
Weight	75 Pounds
Pressure medium	Dry air or nitrogen
Vacuum pump	50 L/M free air
Power requirements	115 VAC, 50/60 Hz, 2 AMP

Performance

Transducers	Ps	Pt
Range	0.3 - 32" Hg	0.5-110" Hg
Accuracy	±0.002" Hg	±0.004" Hg
Resolution	0.001" Hg	0.001" Hg
Control	Ps Channel	Pt Channel
Range	0.3 - 32" Hg	0.5-110" Hg
Stability	±0.001" Hg	±0.002" Hg
Slew-rate (Max)	100" Hg/MIN	100" Hg/MIN
Altitude Slew Rate		0-35,000 FT/MIN
Airspeed Slew Rate		0-750 KT/MIN

General

Operational Modes

Air Data Control	Air Data Monitor
Ps Control	Pt Control
Gauge Test	Leak Test
IEEE Control	TTU-205 Test

Units of Measure

Airspeed	Feet, Meters
Airspeed	Knots, Km/Hr, Mach No.
Pressure	In. Hg, PSI, mm Hg, In. H2), millibars

Display

Type	AC Plasma
Characters	12 line/40 characters per line

Touch Panel

Type	Resistance Actuated
Material	Filtered, transparent sensitive plastic