



# TestVronics™ ADC-2550 Air Data Calibrator

	Specifications
<b>Static (Ps) Altitude Control Range <sup>1</sup></b>	-10,000 to 109,985 ft 42.4375 to 0.2046 inHg
<b>Altitude Accuracy</b>	± 0.003 inHg or 0.008% FS
<b>Altitude Rate <sup>2</sup></b>	0 to 50,000 ft/min
<b>Altitude Resolution</b>	1 ft / 0.01 mbar / 0.0001 inHg (Ps) / 0.01 mmHg
<b>Altitude Units <sup>3</sup></b>	feet (ft) / meters (m) / millibar (mBar) / inches mercury (inHg) millimeters mercury (mmHg) / inches water (inH2O) / PSIA
<b>Pitot (Pt) Airspeed Control Range <sup>1</sup></b>	0.00 to 950.0 kts 0.6449 to 95.0810 inHg
<b>Airspeed Accuracy</b>	± 0.004 inHg or 0.008% FS
<b>Airspeed Rate <sup>2</sup></b>	0 to 800 kt/min
<b>Altitude Resolution</b>	0.1 kt / 0.01 mbar / 0.0001 inHg (Pt) / 0.01 mmHg
<b>Airspeed Units <sup>3</sup></b>	knots (Vc) / Qc (Differential) / inches mercury (inHg) millimeters of mercury (mmHg) / millibar (mBar) / PSID / PSIA Total Pressure (Pt) / inches water (inH2O) / kilometers (km) / MACH
<b>Control Stability</b>	0.001% FS (Absolute or Differential)
<b>Operating Medium</b>	Clean Dry Air or Nitrogen
<b>Display</b>	10.4-inch LED backlit Touchscreen LCD
<b>Interfaces</b>	RS-232 / USB (x2) / RJ-45 Ethernet / IEEE-488 (optional)
<b>Altitude (Static) Port</b>	37° Flare AN6 bulkhead (rear panel)
<b>Airspeed (Pitot) Port</b>	37° Flare AN4 bulkhead (rear panel)
<b>Calibration Cycle</b>	One (1) year
<b>Power Requirements</b>	90-260 VAC, 45 - 440 Hz, 1 PH
<b>Dimension / Weight</b>	19 x 10.5 x 20 in (19-inch rackmount) / 38 lbs (17.24 kg)

## Optional Pressure & Vacuum Sources

### Pressure Source

P/N: ADC-2500-PRES-115 <sup>5</sup>  
NSN: 6830-01-653-2523

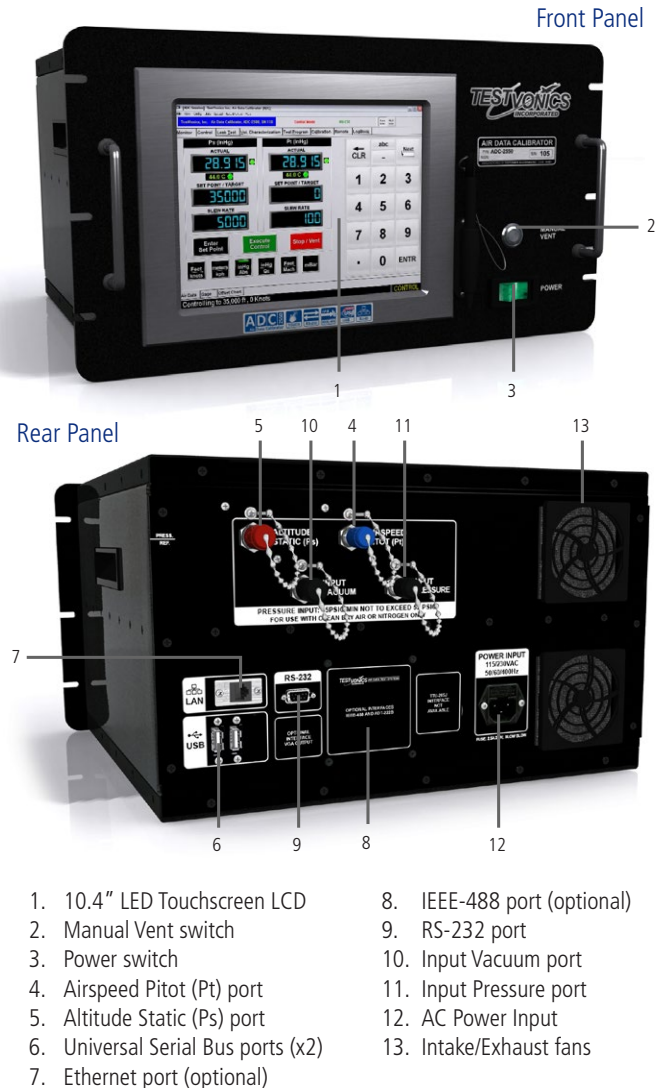


### Vacuum Source

P/N: ADC-2500-VAC-115 <sup>5</sup>  
NSN: 4310-01-653-2521

High performance oil-free vacuum and pressure sources are available for the ADC-2550. These sources provide ample pressure and vacuum to the calibrator and are suitable for use with a wide variety of other equipment.

## Calibrator Features



- 10.4" LED Touchscreen LCD
- Manual Vent switch
- Power switch
- Airspeed Pitot (Pt) port
- Altitude Static (Ps) port
- Universal Serial Bus ports (x2)
- Ethernet port (optional)
- IEEE-488 port (optional)
- RS-232 port
- Input Vacuum port
- Input Pressure port
- AC Power Input
- Intake/Exhaust fans

## ADC-2550 Standard Options

### ADC-2550 Option 1

ADC-2550 with additional equipment, including: Protective Rackmount Enclosure, Vacuum Source, Pressure Regulator Assy., Vacuum Source Hose Assy., Regulator Hose Assy., Pressure Source Hose Assy., Vacuum Source Transit Case Assy., Pitot Test Hose Assy. and Static Test Hose Assy.

### ADC-2550 Option 2

ADC-2550 with additional equipment, including Rackmount Enclosure, Vacuum Source, Pressure Source, Vacuum Source Hose Assy., Pressure Source Hose Assy., Pitot Test Hose Assy. and Static Test Hose Assy.

### ADC-2550 Option 3

ADC-2550 with additional equipment, including Vacuum Source, Pressure Source, Vacuum Source Hose Assy., Pressure Source Hose Assy., Pitot Test Hose Assy. and Static Test Hose Assy.

### ADC-2550 Option 4

ADC-2550 with additional equipment, including Vacuum Source, Vacuum Source Hose Assy., Pitot Test Hose Assy. and Static Test Hose Assy.

1) Standard ranges listed. Ranges can be configured to comply with customer specific requirements. 2) The Altitude and Airspeed Slew Rates are load dependent. Slew rates and load test requirements may vary based on volume of the DUT and the performance of the pressure and vacuum source connected to the calibrator. 3) Standard units of measurement listed at time of print, additional units may be available. 5) The 115 VAC part numbers shown, 230VAC are available 6) ADC-2500-VAC-230 NSN: 4310-01-670-3652.