





	ADC-2500 NSN: 6695-01-581-8231	ADC-2520 NSN: 6695-01-581-8231	ADC-2522 NSN: awaiting assignment	ADC-2525 Commercial Model	ADC-2525 Ext. Range Commercial Model	ADC-2550 NSN: 6695-01-590-1161	ADC-2550C Commercial Model
							
Static (Ps) Control Altitude Range ¹	-2,000 to 109,985 ft 1088.65 to 6.772 mbar 32.1480 to 0.2046 inHg	-1,800 to 85,000 ft 1080.915 to 21.672 mbar 31.9195 to 0.6448 inHg	-2,000 to 109,985 ft 1080.915 to 21.672 mbar 32.1480 to 0.2046 inHg	-1,800 to 85,000 ft 1080.915 to 21.672 mbar 31.9195 to 0.6448 inHg	-10,000 to 109,985 ft 1437.094 to 6.772 mbar 42.4375 to 0.2046 inHg	-10,000 to 109,985 ft 1437.094 to 6.772 mbar 42.4375 to 0.2046 inHg	-10,000 to 109,985 ft 1437.094 to 6.772 mbar 42.4375 to 0.2046 inHg
Altitude Accuracy	0.01% or ± 0.002 inHg (± 0.0015 RVSM) ± 0.05 mmHg (± 0.04 RVSM)	0.01% or ± 0.003 inHg (± 0.0025 RVSM) ± 0.07 mmHg (± 0.06 RVSM)	0.01% or ± 0.003 inHg (full scale)	0.01% or ± 0.003 inHg (± 0.0025 RVSM) ± 0.07 mmHg (± 0.06 RVSM)	0.01% or ± 0.003 inHg (± 0.0015 RVSM) ± 0.05 mmHg (± 0.04 RVSM)	0.01% or ± 0.002 inHg (± 0.0015 RVSM) ± 0.05 mmHg (± 0.04 RVSM)	0.01% or ± 0.002 inHg (± 0.0015 RVSM) ± 0.05 mmHg (± 0.04 RVSM)
Altitude Rate ²	0 to 50,000 ft/min / 20.0 inHg/min		0 to 50,000 ft/min / 20.0 inHg/min	0 to 50,000 ft/min / 20.0 inHg/min		0 to 50,000 ft/min / 20.0 inHg/min	
Altitude Resolution	1 ft / 0.01 mbar / 0.0001 inHg (Ps)		1 ft / 0.01 mbar / 0.0001 inHg (Ps)	1 ft / 0.01 mbar / 0.0001 inHg (Ps)		1 ft / 0.01 mbar / 0.0001 inHg (Ps)	
Altitude Units ³	feet (ft) / meters (m) / millibar (mBar) / inches of mercury (inHg) / millimeters of mercury (mmHg) / inches of water (inH ₂ O) / PSIA						
Pitot (Pt) Control Airspeed Range ¹	0.00 to 1050.0 kts 21.83 to 3803.69 mbar 0.6449 to 112.3230 inHg	0.00 to 950.0 kts 21.672 to 3129.802 mbar 0.6449 to 95.0810 inHg	0.00 to 1050.0 kts 21.83 to 3803.69 mbar 0.6449 to 112.3230 inHg	0.00 to 950.0 kts 21.672 to 3129.802 mbar 0.6449 to 95.0810 inHg	0.00 to 1050.0 kts 21.83 to 3803.69 mbar 0.6449 to 112.3230 inHg	0.00 to 1050.0 kts 21.83 to 3803.69 mbar 0.6449 to 112.3230 inHg	0.00 to 950.0 kts 21.672 to 3129.802 mbar 0.6449 to 95.0810 inHg
Airspeed Accuracy	0.01% or ± 0.004 inHg ± 0.10 mmHg		0.01% or ± 0.008 inHg (full scale)	0.01% or ± 0.004 inHg ± 0.10 mmHg		0.01% or ± 0.004 inHg ± 0.10 mmHg	
Airspeed Rate ²	0 to 800 kt/min / 40.0 inHg/min		0 to 800 kt/min / 40.0 inHg/min	0 to 800 kt/min / 40.0 inHg/min		0 to 800 kt/min / 40.0 inHg/min	
Altitude Resolution	0.1 kt / 0.01 mbar / 0.0001 inHg (Pt)		0.1 kt / 0.01 mbar / 0.0001 inHg (Pt)	0.1 kt / 0.01 mbar / 0.0001 inHg (Pt)		0.1 kt / 0.01 mbar / 0.0001 inHg (Pt)	
Airspeed Units ³	knots (Vc) / Qc (Differential) / millibar (mBar) / inches of mercury (inHg) / millimeters of mercury (mmHg) / inches of water (inH ₂ O) / MACH / Total Pressure (Pt) / kilometers (km) / PSID / PSIA						
Control Stability	0.001% Full Scale		0.001% Full Scale	0.001% Full Scale		0.001% Full Scale	
Display	10.4-inch LED backlit LCD		10.4-inch LED backlit LCD	10.4-inch LED backlit LCD		10.4-inch LED backlit LCD	
Touchscreen Display	No		Yes	No		Yes	
Interfaces	RS-232 / USB (2) / Ethernet / TTU-205J / VGA (optional)		RS-232 / USB (3) / Ethernet / VGA IEEE-488 (Honeywell/Sperry compatible)	RS-232 / USB (3) / Ethernet / VGA (optional)		RS-232 / USB (3) / Ethernet / VGA (optional) / IEEE-488	
IEEE-488	No		Yes	No		Yes	
TTU-205J Software ⁴	Yes		No	No		No	
Operating Medium	Clean Dry Air or Nitrogen		Clean Dry Air or Nitrogen	Clean Dry Air or Nitrogen		Clean Dry Air or Nitrogen	
Calibration Cycle ⁵	One (1) year		One (1) year	One (1) year		One (1) year	
Power Requirements	90 to 264 VAC, 47 to 63 Hz, 1 PH		90-264 VAC, 45 - 440 Hz, 1 PH	90-264 VAC, 45 - 440 Hz, 1 PH		90-264 VAC, 45 - 440 Hz, 1 PH	
Dimension / Weight	19 x 10.5 x 20 in / 38.0 lbs		19 x 10.5 x 20 in / 38.5 lbs	19 x 10.5 x 20 in / 38.0 lbs		19 x 10.5 x 20 in / 38.5 lbs	

¹ Standard ranges listed. Some calibrators, due to their ranges, are available only to US Military, airframes supporting US Military or NATO Programs, and other US DoD approved Programs to comply with certain ITAR requirements. Additionally, 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 upon user request.
⁴ Enhanced Calibration Capability (EccADC) Software/TTU-205J Interface port allows users to calibrate TTU-205J Pressure Temperature Test Sets automatically. ⁵ Recommended calibration cycle, actual cycle dictated by end user and may differ.