WO#____(1)_____

(2)

MFR._____(3)_____ ENCODER/ADC MFR. _____(7)_____

☐	PILOT ALT.
☐	CO-PILOT ALT.
☐	STBY ALT.

PART # _____(4)_____ PART # _____(8)_____

MODEL #____(5)_____ MODEL #_____(9)_____

S/N_____(6)_____ S/N _____(10)_____

(11) Scale Error

Altitude	Norm	Stby	Tol.	Encoder	Friction	Tol.
-1,000			20		✕	NA
0			20		✕	NA
500			20		✕	NA
1,000			20			70
1,500			25		✕	NA
2,000			30			70
3,000			30			70
4,000			35		✕	NA
5,000	✕	✕	NA	✕		70
6,000			40		✕	NA
8,000			60		✕	NA
10,000			80			80
12,000			90		✕	NA
14,000			100		✕	NA
15,000	✕	✕	NA	✕		90
16,000			110		✕	NA
18,000			120		✕	NA
20,000			130			100
22,000			140		✕	NA
25,000			155			120
30,000			180			140
35,000			205			160
40,000			230			180
45,000			255		✕	NA
50,000			280			250

(12) Barometric Scale Error

Barometric Scale	Altitude Difference Ref.	Altitude Difference
28.10	-1727	
28.50	-1340	
29.00	-863	
29.50	-392	
29.92	0	
30.50	+531	
30.90	+893	
30.99	+974	
Tolerance = ± 25 Feet		

(13) Hysteresis

% of Alt.	Up Reading	Down Reading
40%		
50%		
Tolerance = ± 75 Feet		

(14) Case Leak

Case Leak @ 18,000' =
Tolerance = ± 100 Ft. Per Min.

(15) After Effect Test

Test Set Ref	Initial Alt.	After Test
Tolerance = ± 30 Feet @ 29.92 in.h		

Note: Maintain Altimeter at each Test Point for at least one (1) minute before reading Scale Error.

Note: The difference between the altitude displayed at the altimeter and the automatic reporting output should not exceed 125 ft

Note: Approach Friction Test Points at 750 Ft. per minute.

Note: Altitude/Feet----Pressure/Inches of mercury

N#__(16)_____   Date:____(17)_____

Tester ID # _(18)_____   Tested by:___(19)_____

(20) Inspection Record

Preliminary	Hidden Damage	In Progress #1	In Progress #2	Final	MDR Req

KINGS AVIONICS, INC.

INSTRUCTIONS FOR FORM USE; ALTIMETER CALIBRATION AND TEST

1. Enter the Work Order number on which the work is being performed
2. Place an X in the box next to the position of the Altimeter
3. Enter the name of the Manufacturer of the Altimeter
4. Enter the Part number of the Altimeter
5. Enter the Model number of the Altimeter
6. Enter the Serial Number of the Altimeter
7. Enter the name of the Manufacturer of the Encoder or Air Data Computer
8. Enter the Encoder or Air Data Computer Part Number
9. Enter the Model of the Encoder or Air Data Computer
10. Enter the Serial Number of the Encoder or Air Data Computer
11. Enter the Scale Error next to each parameter
12. Enter the Barometric Scale Error next to each parameter
13. Enter the value of Hysteresis for each parameter
14. Enter the value of the Case Leak as tested
15. Enter the values for the three (3) parameters of the After Effect following the test
16. Enter the aircraft registration number
17. Enter the date on which the Altimeter Test was completed
18. Enter the Identification number of the test equipment used
19. Enter the name of the person who performed the Altimeter Test
20. Place employee initials in the boxes for each Inspection provess

NOTE: Not all fields always require text entry. Contact your supervisor if there are questions. In cases where data is not required, DO NOT leave blank; enter N/A.