

Altimeter Test/Inspection
Per 14 CFR Part 43, Appendix E

WO# _____

PILOT ALT.
CO-PILOT ALT.
STBY ALT.

MFR. _____
PART # _____
MODEL # _____
S/N _____

ENCODER/ADC MFR. _____
PART # _____
MODEL # _____
S/N _____

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

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		

Hysteresis

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

Case Leak

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

After Effect Test

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

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# _____

Date: _____

Tester ID # _____

Tested by: _____

Inspection Record

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

