

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
19				

ACFT SN# 28R-35139		ANALOG Altimeter / Static System Certification		TACH 2993.86	
Merlin's Avionics Service Tel: (615) 305-1186 1045 RoundTree Drive Gallatin, Tennessee 37066 FAA CRS #Z6MR586Y MAS Form #4			Work Order No. 1350 Acft.Reg.No. N9427N Acft Type ARROW Altimeter Position #1 Altimeter P/N# _____ S/N# _____		
Date 4-18-24 Signed Merlin Gurjy					
Altitude	Reading	Tol	Altitude	Reading	Tol
-1000	-1000	20	14,000	13980	100
0	0	20	16,000	15980	110
500	500	20	18,000	17970	120
1000	1000	20	20,000	19970	130
1500	1500	25	22,000	/	140
2000	2000	30	25,000	/	155
3000	3000	30	30,000	/	180
4000	4005	35	35,000	/	205
6000	6000	40	40,000	/	230
8000	7990	60	45,000	/	255
10,000	9990	80	50,000	/	280
12,000	11990	90			
			Friction	Tol	
			1K	+20	70
			2K	+20	70
			3K	+15	70
			5K	+15	70
			10K	+20	80
			15K	+20	90
			20K	+15	100
			25K	/	120
			30K	/	140
			35K	/	160
			40K	/	180
			50K	/	250
			Press	Diff. (Tol. 25 Ft.)	
			28.10	-1727	-1727
			28.50	-1340	-1340
			29.00	-863	-863
			29.50	-392	-392
			29.92	0	0
			30.50	531	531
			30.90	893	893
			30.99	974	974
			Case Leak (FPM Tol. 100 Ft.)		
			0		
Hysteresis: 1st Test Point @ 50% of Max.Alt. (Tol. 75 Ft.)			+20		
2nd Test Point @ 40% of Max.Alt. (Tol. 75 Ft.)			+15		
			After Effect (Tol. 30 Ft.)		
			+10		

This Altimeter / Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.

Transponder Certification

Merlin's Avionics Service Tel: (615) 305-1186
1045 RoundTree Drive Gallatin, Tennessee 37066
FAA CRS #Z6MR586Y MAS Form #3

Work Order No. 1350 Acft.Reg.No. N9427N
Aircraft Type ARROW Txpond Position #1
Txpond P/N# KT76A S/N#

Check Box if Mode S ()

I certify the ATC Transponder tests and inspections required by
FAR 91.413 were performed this date and found to comply with Part 43,
Appendix F. Details of this inspection are on file at this repair station.

Date 4-18-24

Signed Merlin's Avionics