

United States of America
Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA4302NM

This certificate, issued to Electronics International, Inc.

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product — Type Certificate Number: * *See attached Approved Model List (AML) No.
Make: * SA4302NM for list of approved airplane models
Model: * and applicable airworthiness regulations.

Description of Type Design Change: Installation of Electronics International, Inc. Model SR-8 or Model US-8 Digital Automatic Engine Analyzer (THE SMART SCANNER) in accordance with Electronics International, Inc. Installation Instructions No. II 012881, dated 1/28/88 (for SR-8), or Installation Instructions No. II 072091, dated July 20, 1989 (for US-8), or later FAA approved revisions.

NOTE: The Model SR-8 and Model US-8 listed here are designed as engine analyzers and are not primary instruments.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate, AML No. SA4302NM, and the above mentioned Installation Instructions must be maintained as part of the permanent records for the modified aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: February 25, 1988

Date issued:

Date of issuance: April 21, 1988

Date amended: October 13, 1989

By direction of the Administrator



Stewart K. Miller
(Signature)

Assistant Manager, Seattle
Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

FAA Approved
 Electronics International, Inc.
 Approved Model List (AML) SA4302NM
 for

Installation Of Electronics International Digital Automatic Engine Analyzers

Issue Date: April 21, 1988

Item	Aircraft Make	Aircraft Model	Original Type Certificate Number	Certification Basis for Alteration	FAA Sealed Drawings		Installation Instructions		AML Amend. Date
					Number	Rev. No.	Number	Date	
					TD031381	C 10/6/89	II012881 II072091	1/28/88 7/20/89	
1.	Aerocar Inc.	I	4A16	CAR 3	"	"	"	"	10/13/89
2.	Aeronca Inc. (also see trytek)	C-2 Series C-3 Series K&50 Series L Series 15 Series	ATC 351 A 396 688, 676 ATC 596 & 614 A802	ATC 351 Aero Bul. 7-A 688, 676 ATC 596 & 614 CAR 3	"	"	"	"	"
3.	Aero-spatiale (Also see Socata)	SE 3160 Alovette-III SA 315 Series SA 316 Series SA 319 Series 262A Series SN-601 SA-350 & 360 Series SA-365 Series	H1 IN H1 IN H1 IN H1 IN H1 IN A6 EU A37 EU H8 EU H10 EU	CAR 10 CAR 10 CAR 10 CAR 10 CAR 10 CAR 10 FAR 21.29 FAR 21.29 FAR 21.29	"	"	"	"	5/11/92 " "
4.	Aircraft Associates Inc.	J-2	ATC 620	ATC 620	"	"	"	"	10/13/89
5.	Air Tractor Inc.	AT-300, -300, -302, -400	A9SW	FAR 21.25 (a)(1)	TD121161				5/11/92
6.	Artic Aircraft Co.	S-1A Series S-1B Series	A737 A754	CAR 4a CAR 4a	"	"	"	"	10/13/89
7.	Ayres Corp.	S-2R S Series 600 Series S2R Series	A3SW A4SW 2A9 2A7 A3SW	CAR 3 CAR 8 CAR 8.10(a)(1) car 8.10(a)(1) CAR 3	"	"	"	"	5/11/92
8.	Ballauer	Funk Series	2-564	CAR 04.031	"	"	"	"	10/13/89
9.	Balloon Works, The	Fire Flys	A14S0	FAR 31	"	"	"	"	"

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10.	Beech Aircraft Corp.	B17B, B17L, SB17L B17R C17B, C17L C17R 18 Series 19, 23, 24 Series 33, 35, 36 Series 45 Series 50 Series 60 Series 65, 70, 90 Series 76 Series 77 Series F90 Series 95, 55, 56, 58 Series 99, 100 Series 200 Series 300, 1900, & 1900C Series	ATC 560 ATC 579 ATC 602 ATC 604 A-757, -765, A1CE 3A15 5A3 5A4 A12CE 3A20 A29CE A30CE A31CE 3A16 A23CE A14CE A24CE A24CE	CAR 4a CAR 4a CAR 4a CAR 4a CAR 4a CAR Part 3 CAR Part 3 Car Part 03 CAR Part 3 FAR Part 23 CAR 3 Part 23 Part 23 Part 23 CAR Part 3 FAR Part 23 FAR Part 23 FAR Part 23 FAR Part 23	"	"	"	"	03/05/93 10/13/89 " " 5/11/92
11.	Bell Helicopter Textron	47 Series 204&205 Series 212 Series 214 Series 222 Series 206 Series	H-1, 2H3, 2-H1 H1 SW H4 SW H6 SW H9 SW H2 SW	FAR Part 23 CAR 7 FAR Part 29 FAR Part 29 FAR Part 29 CAR 6	"	"	"	"	10/13/89 5/11/92
12.	Bellanca Aircraft Corp.	7 Series 11 Series 14, 17, Series 8 Series 300 Series 400 Series	A-759, A-761, 796 A-18CE A21CE ATC328 ATC319	CAR 4a CAR 4a CAR 3 FAR Part 23 FAR Part 23 ATC328 ATC319	"	"	"	"	10/13/89
13.	British Aerospace	Twin Pioneer Series 2&3 Beagle B206 Series 1&2 Beagle B121 Series 1, 2, & 3	7A7 A11EU A22EU A22CE	CAR 10 FAR 21.29 (CAR 3) FAR 21.293 (FAR 23)	"	"	"	"	10/13/89
14.	Camair Aircraft Corp.	Navion 480	2A2	CAR 3	"	"	"	"	5/11/92

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21.	Great Lakes	2T Series	ATC354 ATC-167 2-3339 ATC228 A18EA	ATC354 ATC-167 2-3339 ATC228 FAR 23	"	"	"	"	5/11/92 10/13/89
22.	Gulfstream Aerospace	111 Series 112 Series 114 Series	11SO A12SO A12SO	FAR 23 (FAR 36)	"	"	"	"	5/11/92
23.	Gulfstream American Commander Division	Grumman: G-164 Series G Series AA Series GA Series 500 Series 111 112Series, 114Series	1A16 1A17, A12EA A11EA A16EA A17SO 6A1 A11SO A12SO	CAR 8.10 (a)(1) CAR 4b FAR 23 FAR 23 CAR 3 FAR 23 (Far 21) FAR 23 (Far 36)	"	"	"	"	10/13/89 5/11/92 "
24.	Helio Aircraft LTD (Navion)	H-250 H-295 HT-295 H-391 H-391B H-395 H-395A 500	1A8 1A8 1A8 1A8 1A8 1A8 A2EA	CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3	"	"	"	"	10/13/89 5/11/92 10/13/89
25.	Hiller Aviation	UH-12 Series	6H1, 6H2, 4H10, 4H11, H1WE	CAR 6	"	"	"	"	"
26.	Huges Helicopters	300 Series 269 Series	4H12	CAR Part 6	"	"	"	"	"
27.	Hynes	H-2, H-4	2H2	CAR Part 6	"	"	"	"	"
28.	Industrie Aeronautiche E Meccaniche (See Piaggio)	PD 808/526 P.166 Series	A12EU 7A4	FAR 21.29 CAR 10	"	"	"	"	3/05/93 "
29.	Lake	See consolidated Aeronautics							
30.	Maule Aircraft Corp.	M Series	3A23	CAR Part 3	"	"	"	"	"
31.	McDonnell Douglas	DC3 Series DC4 Series	A-807 A-618	CAR 4 CAR 4	"	"	"	"	1/10/91
32.	Mooney	M20 Series (Mooney) M22	2A3 A6SW	CAR 3 CAR 3	"	"	"	"	10/13/89 5/11/92

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39.	Pitts	See Child							
40.	Prop-Jets Inc. (Aero Commander)	200 Series	3A18	CAR 3 CAR 3 CAR 3	"	"	"	"	10/13/89
41.	Reims Aviation (Cessna)	172Series 150Series 182Series 337Series 177Series	A4EU A18EU A13EU A42EU A23EU A26EU	CAR 10 FAR 21.29 (CAR 3) FAR 21.29 CAR PART 3 FAR 21.29 (FAR 23) FAR PART 23	"	"	"	"	"
42.	Robinson Helicopter	R 22	H10WE	FAR 27	"	"	"	"	"
43.	Rockwell International (Also see Ayres)	111Series 112Series 114Series 500,520 560,680, 681,690, 695,720	A12S0 A7S0 6A1	FAR 23 (FAR 36) FAR 23 CAR 3	"	"	"	"	1/10/91
44.	Rust, Robert F. (Chipmunk)	21,22 Series	A44EU	FAR 21.29	"	"	"	"	10/13/89
45.	Ryan Aeronautical Co.	SCW-145 ST Series	658 ATC 571 ATC 681 A-749	CAR 4a CAR 4a	"	"	"	"	5/11/92
46.	Ryan Aircraft Corp.	B Series	ATC 25	CAR 4a	"	"	"	"	5/11/92
47.	Sikorsky Aircraft	H19 Series S-39Series S-41-B S-43Series VS-44-A S-51Series S-52Series S-55Series S-58Series S-61Series S-62A Series S-64Series S-76Series	HR1S0 ATC-375 2-286 A-593 752 H-2 H-3 1H4 1 H11 1 H15 1 H13 H1EA H1NE	FAR 21.25 FAR 21.25 FAR 21.25 Aero Bul-7A CAR 4A CAR 6 CAR 6 CAR 6 CAR 6 CAR 7 CAR 7 CAR 8 FAR 29	"	"	"	"	5/11/92 " "
48.	Socata Group Aero-spatiale	TB9,10, 20,21	A51EU		"	"	"	"	1/10/91

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56.	Univar Aircraft Corp. (Forney) (Erco) (Stinson) (Alon) (Mooney) (Erco)	108 Series F-1 F-1A E (Mooney) G 415-D A-2 A2-A M10 415-C 415-CD	A-767 A2EA A-787 A-787 A-787 A-787 A-787 A-787 A-787 A-787 A-718 A-718	CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 4a CAR 4a	"	"	"	"	10/13/89 " 5/11/92 10/13/89
57.	Varga Aircraft Corp.	2150Series	4A19	CAR 3	"	"	"	"	"
58.	Waco Aircraft	A Series B&C Series D Series E Series G Series I, J, K Series O, P, Q Series R&S Series U, Y, Z Series	ATC26, 644 677 598 714 ATC41 ATC123 ATC168 ATC538 ATC639 ATC597 ATC42 665 2-430 ATC 13 2-363 2-361 ATC 313 ATC468 ATC464 ATC491 ATC453 ATC502 ATC466 ATC311 ATC543 ATC542 ATC586 ATC627	ATC26 644 677 598 CAR 4a ATC 41 ATC 123 ATC168rt, 04 ATC538 ATC639 ATC597 ATC42 665 2-430 ATC 13 2-363 2-361 ATC 313 ATC468 ATC464 ATC491 ATC453 ATC502 ATC466 ATC311 ATC543 ATC542 ATC586 ATC627	"	"	"	"	10/13/89 " 5/11/92 " " 10/13/89
59.	Weatherly Aviation	201Series 620Series	A10WE A26WE	FAR 21.25 (a) (CAM8) FAR 21.25 (a)	"	"	"	"	"