

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

*Number* SA5925NM

*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 FAA Approved Model List (AML)  
*Make:* \* No. SA5925NM for list of approved airplane  
*Model:* \* models and applicable regulations.

*Description of Type Design Change:* Electronics International oil pressure/temperature instrument manufactured and installed in accordance with the drawings and installation instructions specified on the FAA Approved Model List (AML) of this STC, or later FAA approved revisions.

*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 and FAA Approved Model List (AML) No. SA5925NM, dated February 17, 1993, or later FAA approved revision, 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:* November 10, 1992

*Date issued:*

*Date of issuance:* February 17, 1993

*Date amended:*



*By direction of the Administrator*  
*[Signature]*  
Acting Manager, Special Certification Branch  
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.

FAA Approved Model List (AML) SA5925NM  
For  
Electronics International Oil Pressure/Temperature Instrument

Issue Date: February 17, 1993

Item	Aircraft Make	Aircraft Model	Original Type Certificate Number	Certification Basis for Alteration	FAA Sealed Drawings		Installation Instructions		Instrument Model Number (See Note 1)	AML Amended Date	
					Number	Rev.	Number	Rev. No.			
----	-----	-----	-----	-----	TD0327921	N/R	OI 0520911	C	-----	-----	
1.	Aeronca Inc. (Also see American, Bellanca)	50-LA, 65-LA, -LB 15AC, S15AC	A-702 A-802	Car 4a Car 3	" "	" "	" "	" "	OPT-1-ROG10R40/YOG90R220 OPT-1-ROG10R40/YOG90R220	6/3/94 "	
2.	Aerospatiale	See Socata.	-----	-----	-----	-----	-----	-----	-----	6/3/94	
3.	American Blimp	A-60, A-60+	AS1NM	FAR 21	"	"	"	"	OPT-ROG15R59/YOG65R245	10/30/97	
4.	American Champion (Also see Aeronca, Bellanca)	7AC, S7AC	A-759	Car 4a	"	"	"	"	OPT-1-ROG30R60/YOG65R220	6/3/94	
		7ECA	"	"	"	"	"	"	OPT-1-ROG30R60/YOG65R225	"	
		7BCM, 7CCM, 7DC, 7EC S7DC, S7CCM, S7EC	"	"	"	"	"	"	"	OPT-1-ROG30R40/YOG65R225	"
		7FC, 7JC	"	"	"	"	"	"	"	"	"
		7GC, 7HC, 7GCA, 7GCB 7KC, 7GCB, 7GCAA 7GCBC	"	"	"	"	"	"	"	OPT-1- ROY25G60Y90R100/YOG65R245	"
		7KCAB	"	"	"	"	"	"	"	"	"
		7ACA	"	"	"	"	"	"	"	OPT-1- ROGY25G55Y95R115/YOG65R245	"
		8KCAB	"	"	"	"	"	"	"	OPT-1-ROGY25G55R95/YOG65R285	"
		8GCBC	"	"	"	"	"	"	"	OPT-1- ROY25G60Y90R100/YOG65R245	10/30/97
		11AC, S11AC	"	"	"	"	"	"	"	OPT-1- ROY25G55Y95R115/YOG65R245	"
		11BC, S11BC	A-761	Car 4a	"	"	"	"	"	OPT-1-ROG30R60/YOG65R220	"
			"	"	"	"	"	"	"	OPT-1-ROG30R40/YOG65R225	"
			"	"	"	"	"	"	"	"	"
5.	Aviat	A-1	A22NM	Far 23	"	"	"	"	OPT-1-ROG25R100/YOG65R240	6/3/94	
		S-1S, -1T	A8SO	Far 21	"	"	"	"	OPT-1-ROY25G60R100/YOG100R245	"	
		S-2, -2A	"	"	"	"	"	"	"	"	
		S-2S -2B	"	"	"	"	"	"	"	"	



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-----	-----	-----	-----	-----	TD0327921	N/R	OI 0520911	C	-----	-----
8.	Boeing Aircraft (Stearman)	A75-L3, -L300 A75N1 A75J1 1B75A	A-743 " " "	Car 4a " " "	" " " "	" " " "	" " " "	" " " "	OPT-1-ROG50R100/YOG65R200 OPT-1-ROG50R100/YOG65R210 OPT-1-ROG60R90/YOG65R200 OPT-1-ROG50R100/YOG65R200	10/30/97 " " "





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-----	-----	-----	-----	-----	TD0327921	N/R	OI 0520911	C	-----	-----
10.	Commander Aircraft	112, 112B 114, 114A, B, C 112TC, 112TCA 500, -B, -S, -U 500-A 520 560, -A, -E 700	A12SO " " 6A1 " " " " A12SU	Far 23 " " Car 3 " " " " Far 23	" " " " " " " " "	" " " " " " " " "	" " " " " " " " "	" " " " " " " " "	OPT-1- ROY25G50Y90R100/Y0G160R245 " " OPT-1- ROY25G55Y95R115/Y0G65R245 OPT-1- ROY10G30Y60R100/Y0G65R225 OPT-1-ROG60R85/Y0G65R225 OPT-1-ROY25G65R85/Y0G65R225 OPT-1- ROY25G55Y95R1150/Y0G65R245	6/3/94 " " 10/30/97 " " " " " "
11.	DeHavilland Aircraft of Canada, Ltd.	DHC-2 DHC-3	A-806 A-815	CAR 10 "	" "	" "	" "	" "	OPT-1-ROG50R100/Y0G100R190 OPT-1-ROG50R100/Y0G100R190	6/3/94 "
12.	Extra Flugz.	EA 300,S,L,/200	A67EU	Far 21	"	"	"	"	OPT-1- ROY25G55YR95R115/Y0G65R245	10/30/97
13.	Fairchild	24 C8C 24R9, 24R40	A-535 A-706	Bul 7a Car 4a	" "	" "	" "	" "	OPT-1-ROG25R100/Y0G65R200 "	10/30/97 "
14.	Grumman	F8F-2 AF-2S	AR-32 AR-36	Car 4a "	" "	" "	" "	" "	OPT-1-ROG60R100/Y0G65R200 "	10/30/97 "
15.	Gulfstream American Corp. (Grumman Aircraft)	AA-1, AA-1A, AA-1B, AA-1C AA-5, AA-5A AA-5B	A16EA " " "	FAR 23 " " "	" " " "	" " " "	" " " "	" " " "	OPT-1-ROG25R100/Y0G75R245 OPT-1-ROG25R100/Y0G75R245 OPT-1-ROG25R100/Y0G75R245 OPT-1-ROG25R100/Y0G75R245	6/3/94 " " "
16.	Helio Aircraft (Taylorcraft)	15A 20	3A3 "	Car 4a "	" "	" "	" "	" "	OPT-1-ROG30R60/Y0G65R230 OPT-1-ROY10G30R60/Y0G65R225	10/30/97 "
17.	Helio Enterprise	H-250,H700 H-295,HT295,F295 H-395 H-395A,H-391 H-800	1A8 " " " " "	Car 3 " " " " "	" " " " " "	" " " " " "	" " " " " "	" " " " " "	OPT-1- ROY25G55Y95R115/Y0G65R245 OPT-1-ROY25G65R85/Y0G100R225 " " OPT-1-ROG60R85/Y0G100R225 " OPT-1- ROY25G50Y95R115/Y0G100R245	10/30/97 " " " " " "
18.	Interceptor (Aero Commander) (Meyers)	200 200A,B,C,D	3A18 " "	Car 3 " "	" " "	" " "	" " "	" " "	OPT-1-ROY10G30R60/Y0G65R225 OPT-1- ROY10G30Y60R100/Y0G65R240	10/30/97 " "

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-----	-----	-----	-----	-----	TD0327921	N/R	OI 0520911	C	-----	-----
19.	Lake	See Revo.	-----	-----	-----	-----	-----	-----	-----	6/3/94
20.	Luscombe	8,A,B,C,D,E,F, T-8F	A-694	CAR 4a	"	"	"	"		6/3/94
21.	Maule	M-4,C,S,T,-210,C M-4S,T,-220,C,S, M-4T,-180C,S,T M-5-180C,-210C M-5TC,-220C M-5-235C M-6-180 MX-7-235	3A23 " " " " " "	CAR 3 " " " " " "	" " " " " " "	" " " " " " "	" " " " " " "	" " " " " " "	OPT-1-R0G25R100/Y0G65R240 OPT-1-R0G25R100/Y0G65R240 OPT-1-R0G25R100/Y0G65R240 OPT-1-R0G25R100/Y0G65R240 OPT-1-R0G25R100/Y0G65R240 " " "	6/3/94 " " " " " " "
22.	Mooney Aircraft Corp.	M20 M20A M20B M20C M20D M20E M20F M20G M20J M20K M20L M20M M22	2A3 " " " " " " " " " " " " A6SW	CAR 3 " " " " " " " " " " " "	" " " " " " " " " " " " "	" " " " " " " " " " " " "	" " " " " " " " " " " " "	" " " " " " " " " " " " "	OPT-1-ROY26G61R100/Y0G100R245 " " " " " " " " " " " "	None " " " " " " " " " " " "
23.	Moravan	Z-526C Z-242L, Z-143L	A30EU A76EU	Far 23 "	" "	" "	" "	" "	OPT-1- ROY25G55Y95R115/Y0G65R245	10/30/97 "
24.	Navion	See Thompson.	-----	-----	-----	-----	-----	-----	-----	6/3/94







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----	-----	-----	-----	-----	TD0327921	N/R	OI 0520911	C	-----	-----
32.	Stinson	See Univair.	-----	-----	-----	-----	-----	-----	-----	6/3/94
33.	Swift (Globe)	GC-1A GC-1B	A-766	Car 4a	"	"	"	"	OPT-1-ROG30R40/YOG65R225 OPT-1-ROG30R40/YOG65R220	10/30/97 "
34.	Thompson, Jimmie, Enterprise (Navion)	A, B, C, D E, F, G, H.	A-782 "	CAR 3 "	" "	" "	" "	" "	OPT-1-ROG30R90/YOG100R215 OPT-1-ROG30R90/YOG100R215	6/3/94 "
35.	Univair Aircraft Corp. (Stinson)	108, 108-1 108-2, -3, -5	A-767 "	CAR 3 "	" "	" "	" "	" "	OPT-1-ROG35R55/YOG80R230 OPT-1-ROG35R55/YOG80R230	6/3/94 "
36.	Zenair	CH2000	TA5CH	Far 21	"	"	"	"	OPT-1-ROY25G60Y90R100/YOG65R245	10/30/97
----	- End of List	-----	-----	-----	-----	-----	-----	-----	-----	-----

Note 1: Electronics International Model Designation System.

OPT-1 ( ) - ( ) / ( )

\_\_\_\_\_ A combination of letters and numbers defining the green, yellow and red Oil Temperature arcs that the analog portion of the instrument was programmed to.

\_\_\_\_\_ A combination of letters and numbers defining the green, yellow and red Oil Pressure arcs that the analog portion of the instrument was programmed to.

\_\_\_\_\_ A Letter here indicates any major changes in the hardware and/or software of the instrument.

\_\_\_\_\_ Indicates the base model number of the instrument.

Example: OPT-1-ROY26G56R100/YOG66R240 indicates the following markings and calibration (arc information is for reference only):

Oil Pressure: A red arc from 0 to 25 PSI, a yellow arc from 26 to 55 PSI, a green arc from 56 to 99 PSI and red from 100 PSI on up.

Oil Temperature: A yellow arc from 0 and below to 65°F, a green arc from 66 to 239°F and red from 240°F on up.

FAA Approved:



Acting Manager, Seattle  
Aircraft Certification Office

Date:

*Dec. 8, 1997*