

Supplemental Type Certificate

IMPORT

Number SA02930NY

This certificate issued to Insight Instrument Corporation
PO Box 122
Fort Erie, Ontario
Canada L2A 5M6

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of the attached FAA AML.

Original Product Type Certificate Number:

Make: * See attached FAA Approved Model List dated 06/12/2012 or later
FAA approved revisions for the list of approved airplane models.

Model:

Description of Type Design Change:

Installation of Insight Instrument Corporation Graphic Engine Monitor (GEM 610C) models G3, G2, and G1 as primary Cylinder Head Temperature (CHT), Exhaust Gas Temperature (EGT), and Turbine Inlet Temperature (TIT) Instruments.

Limitations and Conditions:

1. Installation must be in accordance with Insight Instrument Corporation Master Document List MDL 610C-000 Rev. 9 and Installation Manual Document No. 070906 as specified in AML SA02930NY or later Transport Canada approved revisions.
2. Operation must be in accordance with Flight Manual Supplement as specified in AML SA02930NY or later Transport Canada approved revisions.
3. Maintenance must be in accordance with Insight Instrument Corporation Instructions for Continued Airworthiness – Document No. 610C-ICA Issue 4, dated January 19, 2012 or later Transport Canada approved revisions. Compliance with Chapter 4.0, "Airworthiness Limitations" of this Instruction for Continued Airworthiness is mandatory.
4. The installer must determine whether this design change is compatible with previously approved modifications.
5. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

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: December 7, 2010

Date reissued: June 12, 2012

Date of issuance: March 1, 2011

Date amended:

By direction of the Administrator



For 
(Signature)
Raymond Reinhardt
Acting Manager
New York Aircraft Certification Office

(Title)



4900 Yonge Street, 4th Floor (PAI)
Toronto ON M2N 6A5

Our file #

5010-O-12-0143

August 1, 2012

Insight Instrument Corporation
P.O. Box 122
Fort Erie, Ontario
Canada L2A 5M6

**Subject: FAA STC – SA02930NY dated June 12, 2012
Installation of Insight Instrument Corporation Graphic Engine Monitor**

This is in reference to your request for the initial issue of a FAA STC under the terms of the U/S Bilateral Aviation Safety Agreement (BASA) to cover the Installation of Insight Instrument Corporation Graphic Engine Monitor.

Your submitted information has been reviewed and approved in accordance with the current U.S./Canada Bilateral Aviation Safety Agreement. Enclosed is your approved FAA STC SA02930NY. We bring your attention to the enclosed **“Information Concerning Your Responsibility as Holder of A Supplemental Type Certificate Issued to A Canadian Applicant”**.

A copy of the STC and required documents should accompany each installation. Also, your attention is directed to the limitations and conditions specified in the STC.

If you have any questions or require additional assistance, please feel free to phone me at (416) 952-0330, or send e-mail to jackey.greig@tc.gc.ca .

Yours truly,

Jackey Greig
Approvals Officer
Aircraft Certification
Ontario Region

**NEW ENGLAND REGION
NEW YORK AIRCRAFT CERTIFICATION OFFICE
1600 STEWART AVENUE, SUITE 410
WESTBURY, NEW YORK 11590**

**INFORMATION CONCERNING YOUR RESPONSIBILITY AS HOLDER OF A
SUPPLEMENTAL TYPE CERTIFICATE ISSUED TO A CANADIAN APPLICANT**

This STC is official indications of FAA approval of your installation and may be used to authorize identical installation on other aircraft of the same model, subject to the limitation noted in the STC. It may be transferred, or otherwise made available to another party by means of a licensee arrangement; however, you are requested to advise this office when you transfer or grant licensee rights to the STC in order that we may take the necessary recording or reissuance action.

If you plan to manufacture and sell parts for installation on type certificated aircraft, please review FAR 21.502, which is applicable to parts imported into the U.S.

A copy of the STC and required documents should accompany each kit and installation. Also, your attention is directed to the limitations and conditions specified in the STC.

As recipient of this approval, except as provided in FAR21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in FAR 21.3(c).

The report should be communicated initially by telephone and subsequently in writing to the Manager, New York Aircraft Certification Office, telephone (516) 228-7300, mailing address: 1600 Stewart Avenue, Suite 410, Westbury, New York 11590. This first contact should take place within 24 hours after it has been determined that the failure required to be reported has occurred.

FAA Form 8010-4, Malfunction or Defect Report, or any other appropriate format is acceptable in transmitting the required details.



Raymond Reinhardt
Acting Manager,
New York Aircraft Certification Office

FAA-APPROVED MODEL LIST (AML) NO. SA02930NY

Insight Instrument Corp. – GEM 610C-001 Graphic Engine Monitor

Original Issue Date: 3/1/2011

Amended Date: 6/12/2012

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION (As Defined in TCDS)	INSTALLATION INSTRUCTIONS		AFM SUPPLEMENT NUMBER AND DATE	AML AMENDMENT DATE
					NUMBER	REVISION NO. AND DATE		
1	American Champion Aircraft Corp. (Bellanca)	8KCAB (Decathlon), 8GCBC (Scout)	A21CE	FAR 23	Doc. 070906	Rev 1.3	610C-FMS Iss3	06/12/12
2	American Champion Aircraft Corp. (Bellanca)	7AC, 7ACA, 7AC, 7BCM, 7CCM, 7CCM, 7DC, 77DC, 7EC, 77EC, 7ECA, 7FC, 7GC, 7GCA, 7GCAA, 7GCB, 7GCBA, 7GCBC, 7HC, 7JC, 7KC, 7KCAB	A-759	CAR 4a, FAR 23	"	"	"	06/12/12
3	BA Aircraft Group	Beagle B206-all	A11EU	CAR 3, FAR 21, FAR 23	"	"	"	-
4	Hawker Beechcraft	23-all, 24-all	A1CE	CAR 3, FAR 23	"	"	"	-
5	Hawker Beechcraft	35, A35 thru G35, 35R	A-777	CAR 3	"	"	"	-
6	Hawker Beechcraft	33-all, 36-all, 35-remaining models	3A15	CAR 3, FAR 23	"	"	"	-
7	Hawker Beechcraft	45-all	5A3	CAR 3	"	"	"	-
8	Hawker Beechcraft	50-all	5A4	CAR 3	"	"	"	-
9	Hawker Beechcraft	55-all, 56TC-all, 58-all, 95-all	3A16	CAR 3, FAR 23	"	"	"	-
10	Hawker Beechcraft	58P	A23CE	FAR 23	"	"	"	-
11	Hawker Beechcraft	60-all	A12CE	FAR 23	"	"	"	-
12	Hawker Beechcraft	65-all	3A20	CAR 3, FAR 23	"	"	"	-
13	Hawker Beechcraft	76-all	A29CE	FAR 23	"	"	"	-
14	Alexandria Aircraft LLC (Bellanca)	17-30A, -31A, -31ATC	A18CE	FAR 23	"	"	"	-
15	Alexandria Aircraft LLC (Bellanca)	14-19-all 17-30, 17-31-all	1A3	CAR 3	"	"	"	-
16	Bellanca	14-13-all	A-773	CAR 4a	"	"	"	-
17	BN Group Ltd. (Britten Norman)	BN-2A-all	A29EU	FAR 21, FAR 23	"	"	"	-

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18	Cessna	120, 140	A-768	CAR 4a	"	"	"	06/12/12
19	Cessna	140A	5A2	CAR 3, CAR 4a	"	"	"	06/12/12
20	Cessna	150, 152-all	3A19	CAR 3, FAR 23	"	"	"	-
21	Cessna	F150-all, F152, FA150-all, FA152, FRA150-all	A13EU	CAR 3	"	"	"	06/12/12
22	Cessna	170-all	A-799	CAR 3	"	"	"	-
23	Cessna	172-all	3A12	CAR 3, FAR 23	"	"	"	-
24	Cessna	F172-all	A4EU	CAR 3, CAR 10	"	"	"	06/12/12
25	Cessna	FR172-all	A18EU	CAR 3, FAR 21	"	"	"	06/12/12
26	Cessna	175-all	3A17	CAR 3, FAR 23	"	"	"	-
27	Cessna	177-all	A13CE	FAR 23	"	"	"	-
28	Cessna	177RG	A20CE	FAR 23	"	"	"	-
29	Cessna	F177RG	A26EU	FAR 23	"	"	"	-
30	Cessna	180-all	5A6	CAR 3, FAR 23	"	"	"	-
31	Cessna	182-all	3A13	CAR 3, FAR 23	"	"	"	-
32	Cessna	185-all	3A24	CAR 3, FAR 21, FAR 23	"	"	"	-
33	Cessna	188-all, A188-all, T188-all	A9CE	FAR 21, FAR 23	"	"	"	06/12/12
34	Cessna	190, 195-all	A-790	CAR 3	"	"	"	06/12/12
35	Cessna	205-all, 210-all	3A21	CAR 3, FAR 23	"	"	"	-
36	Cessna	206-all	A4CE	CAR 3, FAR 23	"	"	"	-
37	Cessna	207-all	A16CE	FAR 23	"	"	"	-
38	Cessna	T303	A34CE	FAR 23	"	"	"	-
39	Cessna	310-all	3A10	CAR 3, FAR 23	"	"	"	-
40	Cessna	320-all, 340-all	3A25	CAR 3, FAR 23	"	"	"	-

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41	Cessna	321	3A11	CAR 3	"	"	"	06/12/12
42	Cessna	336	A2CE	CAR 3	"	"	"	-
43	Cessna	337-all	A6CE	CAR 3, FAR 23	"	"	"	-
44	Cessna	F337-all	A23EU	FAR 23	"	"	"	06/12/12
45	Cessna	401-all, 402-all, 411-all, 414-all, 421-all, 425	A7CE	CAR 3, FAR 23	"	"	"	-
46	Cessna	404, 406	A25CE	FAR 23	"	"	"	-
47	Cessna (Lancair)	LC40-550FG(300), LC42-550FG(350), LC41-550FG(400)	A00003SE	FAR 23	"	"	"	-
48	Cirrus	SR20, SR22	A00009CH	FAR 23	"	"	"	-
49	Windecker (Composite Aircraft Corp.)	AC-7	A7SW	FAR 23	"	"	"	-
50	Revo, Inc. (Lake)	Lake LA-4-All, Lake Model 250	1A13	CAR 3, FAR 23	"	"	"	-
51	Diamond	DA20-A1, DA20-C1	TA4CH	FAR 21, FAR 23, FAR 36, JAR-VLA	"	"	"	-
52	Diamond	DA40, DA40F	A47CE	FAR 21, FAR 23	"	"	"	-
53	Extra Flugzeug-produktions und Vertriebs GmbH	EA-300, EA-300/S, EA-300/L, EA-300/200	A67EU	FAR23	"	"	"	06/12/12
54	Found Aircraft Canada Inc.	FBA-2C, FBA-2C1	A7EA	CAR 3, FAR 23	"	"	"	-
55	GA 8 Airvan	GA8, GA8-TC320	A00011LA	FAR23	"	"	"	06/12/12
56	Globe Swift	GC-1A/1B	A-766	CAR 4a	"	"	"	-
57	Gulfstream (Grumman)	G-44, G-44A (Widgeon)	A-734	CAR4a	"	"	"	06/12/12
58	SOCATA (Grumman)	GA-7	A17SO	FAR 23	"	"	"	-

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59	Helio Aircraft LLC	H-295	1A8	CAR3	"	"	"	-
60	Interceptor Aircraft (Meyers)	200-ALL	3A18	CAR3	"	"	"	06/12/12
61	Maule	M-4-all, M-5-all, M-6-all, M-7-all, MX7-all	3A23	CAR 3, FAR 21, FAR 23	"	"	"	-
62	Mooney Aircraft Corp.	M-20-all	2A3	CAR 3	"	"	"	-
63	Mooney	M-22	A6SW	CAR 3, FAR 23	"	"	"	-
64	Vulcanair (Partenavia)	P 68-all, P68B-all, P68C-all, P68TC-all	A31EU	FAR 23	"	"	"	06/12/12
65	FS 2003 Corp. (Piper)	PA-12, PA-12S	A-780	CAR 3	"	"	"	06/12/12
66	Piper	PA-18-all	1A2	CAR 3	"	"	"	-
67	Piper	PA-23-all	1A10	CAR 3	"	"	"	-
68	Piper	PA24-all	1A15	CAR 3	"	"	"	-
69	Piper	PA-28-all	2A13	CAR 3, FAR 23	"	"	"	-
70	Piper	PA-30, PA-39	A1EA	CAR 3, FAR 23	"	"	"	-
71	Piper	PA31-all	A8EA	CAR 3, FAR 23	"	"	"	-
72	Piper	PA-32-all	A3SO	CAR 3, FAR 23	"	"	"	-
73	Piper	PA-34-all	A7SO	FAR 23	"	"	"	-
74	Piper	PA-42-all	A23SO	FAR 23	"	"	"	-
75	Piper	PA-44-all	A19SO	FAR 23	"	"	"	-
76	Piper	PA-46-all	A25SO	FAR 23	"	"	"	-
77	Piper	PA-60-all	A17WE	FAR 23	"	"	"	-
78	Pitts	S1-all, S2-all	A8SO	FAR 23	"	"	"	-
79	Rockwell	112-all, 114-all	A12SO	FAR 23	"	"	"	-

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80	Rockwell	500-all, 560-all, 680-all	2A4	CAR 3	"	"	"	-
81	Aermacchi (SIAI-Marchetti)	F260-all	A10EU	CAR 3, FAR 23	"	"	"	-
82	SOCATA (Groupe Aerospatiale)	TB 9, TB 10, TB 20, TB 21, TB 200	A51EU	FAR 23	"	"	"	-
83	SOCATA (Groupe Aerospatiale)	MS 880B, MS 885, MS 892A, MS 892E, MS 893A, MS 893E, MS 894A, MS 894E, Rallye-100S, 150T, 150ST, 235C, 235E	7A14	CAR 3, CAR 10	"	"	"	-
84	Sky Enterprises Inc STOL (Republic)	RC-3	A-769	CAR 3	"	"	"	-
85	Sky International (Christen)	A-1, A-1A, A-1B, A-1C-180, A-1C-200	A22NM	FAR23	"	"	"	06/12/12
86	STOL Aircraft Corp.	UC-1	A6EA	CAR 3, CAR 4b	"	"	"	-
87	Sierra Hotel Aero, Inc.	Navion-all	A-782	CAR 3	"	"	"	-
88	True Flight Holdings LLC (American General)	AA-1, AA-1A, AA-1B, AA-1C	A11EA	FAR 23	"	"	"	06/12/12
89	True Flight Holdings LLC (American General)	AA-5B	A16EA	FAR 23	"	"	"	-
90	Univair Aircraft (Stinson)	108-ALL	A-767	CAR 3	"	"	"	06/12/12
91	Viking Air Limited (deHavilland)	DHC-2 Mk. I, DHC-2 Mk. II (Beaver)	A-806	CAR 10, CAR 3	"	"	"	06/12/12
92	Viking Air Limited (deHavilland)	DHC-3 (Otter)	A-815	CAR 10, CAR 3	"	"	"	06/12/12

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for

Raymond Reinhardt

Acting Manager

New York Aircraft Certification Office