

United States of America
Department of Transportation -- Federal Aviation Administration

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 herein meets the airworthiness requirements of the attached FAA AML.

Original Product Type Certificate Number:

Make: * See attached FAA Approved Model List dated 03/01/2011 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) as primary Cylinder Head Temperature (CHT), Exhaust Gas Temperature (EGT), and Turbine Inlet Temperature (TIT) Instruments.

Limitations and Conditions:

(See Continuation Sheet 2 of 2)

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 of issuance: March 1, 2011

Date reissued:

Date amended:



By direction of the Administrator

Anthony Socias
(Signature)

Anthony Socias
Manager
New York Aircraft Certification Office

(Title)

Supplemental Type Certificate

(Continuation Sheet)

Number SA02930NY

Date of Issuance: March 1, 2011

Limitations and Conditions (Continued):

1. Installation must be in accordance with Insight Instrument Corporation Master Document List MDL 610C-000 Rev. 6 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 2 dated May 14, 2010 or later Transport Canada approved revisions. Compliance with Chapter 4.0, “Airworthiness Limitations” of this Instructions 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.

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FAA-APPROVED MODEL LIST (AML) NO. SA02930NY

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

Original Issue Date: 03/01/2011

Amended Date: N/A

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	BA Aircraft Group	Beagle B206-all	A11EU	CAR 3, FAR 21, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
2	Hawker Beechcraft	23-all, 24-all	A1CE	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
3	Hawker Beechcraft	35, A35 thru G35, 35R	A-777	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
4	Hawker Beechcraft	33-all, 36-all, 35-remaining models	3A15	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
5	Hawker Beechcraft	45-all	5A3	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
6	Hawker Beechcraft	50-all	5A4	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
7	Hawker Beechcraft	55-all, 56TC-all, 58-all, 95-all	3A16	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
8	Hawker Beechcraft	58P	A23CE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
9	Hawker Beechcraft	60-all	A12CE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
10	Hawker Beechcraft	65-all	3A20	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
11	Hawker Beechcraft	76-all	A29CE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
12	Alexandria Aircraft LLC (Bellanca)	17-30A, -31A, -31ATC	A18CE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
13	Alexandria Aircraft LLC (Bellanca)	14-19-all 17-30, 17-31-all	1A3	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
14	Bellanca	14-13-all	A-773	CAR 4a	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
15	BN Group Ltd. (Britten Norman)	BN-2A-all	A29EU	FAR 21, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
16	Cessna	150,152-all	3A19	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--

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17	Cessna	170-all	A-799	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
18	Cessna	172-all	3A12	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
19	Cessna	175-all	3A17	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
20	Cessna	177-all	A13CE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
21	Cessna	177RG	A20CE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
22	Cessna	180-all	5A6	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
23	Cessna	182-all	3A13	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
24	Cessna	185-all	3A24	CAR 3, FAR 21, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
25	Cessna	205-all, 210-all	3A21	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
26	Cessna	206-all	A4CE	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
27	Cessna	207-all	A16CE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
28	Cessna	T303	A34CE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
29	Cessna	310-all	3A10	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
30	Cessna	320-all, 340-all	3A25	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
31	Cessna	336	A2CE	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
32	Cessna	337-all	A6CE	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--
33	Cessna	401-all, 402-all, 411-all, 414-all, 421-all, 425	A7CE	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	--

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34	Cessna	404, 406	A25CE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
35	Cessna (Lancair)	LC40-550FG(300), LC42-550FG(350), LC41-550FG(400)	A00003SE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
36	Cirrus	SR20, SR22	A00009CH	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
37	Windecker (Composite Aircraft Corp.)	AC-7	A7SW	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
38	Revo, Inc. (Lake)	LA-4-All	1A13	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
39	Diamond	DA20-A1, DA20-C1	TA4CH	FAR 21, FAR 23, JAR-VLA	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
40	Diamond	DA40, DA40F	A47CE	FAR 21, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
41	Found Aircraft Development Inc.	FBA-2C, FBA-2C1	A7EA	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
42	Globe Swift	GC-1A/1B	A-766	CAR 4a	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
43	True Flight Holdings LLC	AA-5B	A16EA	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
44	SOCATA (Grumman)	GA-7	A17SO	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
45	Helio Aircraft LLC	H-295	1A8	CAR3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
46	Maule	M-4-all, M-5-all, M-6-all, M-7-all, MX7-all	3A23	CAR 3, FAR 21, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
47	Mooney Aircraft Corp.	M-20-all	2A3	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
48	Mooney	M-22	A6SW	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-

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49	Partenavia	P 68C	A31EU	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
50	Piper	PA-18-all	1A2	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
51	Piper	PA-23-all	1A10	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
52	Piper	PA24-all	1A15	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
53	Piper	PA-28-all	2A13	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
54	Piper	PA-30, PA-39	A1EA	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
55	Piper	PA31-all	A8EA	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
56	Piper	PA-32-all	A3SO	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
57	Piper	PA-34-all	A7SO	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
58	Piper	PA-42-all	A23SO	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
59	Piper	PA-44-all	A19SO	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
60	Piper	PA-46-all	A25SO	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
61	Piper	PA-60-all	A17WE	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
62	Pitts	S1-all, S2-all	A8SO	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
63	REVO Inc. (Consolidated Aeronautics)	Lake Model 250	1A13	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
64	Rockwell	112-all, 114-all	A12SO	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-

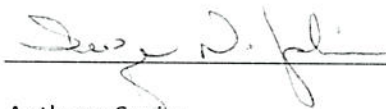
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65	Rockwell	500-all, 560-all, 680-all	2A4	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
66	Aermacchi (SIAI-Marchetti)	F260-all	A10EU	CAR 3, FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
67	SOCATA (Groupe Aerospatiale)	TB 9, TB 10, TB 20, TB 21, TB 200	A51EU	FAR 23	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
68	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	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
69	Sky Enterprises STOL (Republic)	RC-3	A-769	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
70	STOL Aircraft Corp.	UC-1	A6EA	CAR 3, CAR 4b	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-
71	Sierra Hotel Aero, Inc.	Navion-all	A-782	CAR 3	Doc. No. 070906	Rev. 1.2 Nov 10, 2010	610C-FMS Iss2 May 14, 2010	-


 FOR Anthony Socias

Manager

New York Aircraft Certification Office