



Transport
Canada

Transports
Canada

Department of Transport

Supplemental Type Certificate

This approval is issued to:

Insight Instrument Corporation
599 Industrial Drive
Fort Erie, Ontario
Canada L2A 5M1

Number: SA09-30

Issue No.: 6

Approval Date: April 16, 2009

Issue Date: June 19, 2014

Responsible Office:

Ontario

Aircraft/Engine Type or Model:

See TCCA Approved Model List (enclosed)

Canadian Type Certificate or Equivalent:

See TCCA Approved Model List (enclosed)

Description of Type Design Change:

Installation of Insight Graphic Engine Monitor (GEM) 610C models G3, G2, G1 and 1200C model G4 as primary CHT, EGT & TIT instruments

**Installation/Operating Data,
Required Equipment and Limitations:**

Manufacture must be in accordance with Insight Instrument Corporation Master Document List MDL 610C-000 Rev. 10 or later Transport Canada approved revisions.

Installation must be in accordance with Installation Manual Document No. 070906 Rev. 1.3 or later Transport Canada approved revisions.

(See continuation sheet)

Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated **will not** adversely affect the airworthiness of the modified product.



Sorin Camer
For Minister of Transport

Canada

**DESIGN APPROVAL DOCUMENT
TRANSFER**

Transfer of this design approval document requires the prior approval of the Minister and the reissue of this document in the name of the transferee.

The reissue of this design approval document in the name of the transferee will be contingent on the holder and the transferee fulfilling their responsibilities as described in section 521.357 of the *Canadian Aviation Regulations*.

I have reviewed the above requirements and recognize that until the above requirements are met the certificate and all its privileges and obligations will not be transferred.

Signature of holder/signature du titulaire

**TRANSFERT DU DOCUMENT
D'APPROBATION DE LA
CONCEPTION**

L'approbation préalable du ministre est exigée en vue d'un transfert de ce document d'approbation de la conception et la réédition de ce document au nom du cessionnaire.

La réédition de ce document d'approbation de la conception au nom du cessionnaire est conditionnelle à la satisfaction des exigences et des responsabilités, du titulaire et du cessionnaire, décrites dans l'article 521.357 du *Règlement de l'aviation canadien*.

J'ai examiné les conditions susmentionnées et je comprends que le transfert du certificat et des privilèges et des obligations s'y rattachant ne sera pas effectué tant que ces conditions n'auront pas été respectées.

date/date





(Continuation Sheet)

Number: SA09-30 Issue 6

NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

Operation must be in accordance with Aircraft Flight Manual Supplements: 610C-FMS Issue 3 (models G3, G2, G1) approved February 20, 2012, and G4-FMS Issue 1 (model G4) approved October 26, 2012, or later Transport Canada approved revisions.

Maintenance must be in accordance with Instructions for Continued Airworthiness: 610C-ICA Issue 4 (models G3, G2, G1) accepted February 22, 2012, and G4-ICA Issue 1 (model G4) accepted October 25, 2012, or later Transport Canada accepted revisions. Compliance with Chapter 4.0, "Airworthiness Limitations" of these, Instructions for Continued Airworthiness, is mandatory.

TCCA Approved Model List

ITEM	MAKE	MODEL	Canadian TC	FAA TC
1	American Champion Aircraft Corp. (Bellanca)	8KCAB (Decathlon), 8GCBC (Scout)	A-116	A21CE
2	American Champion Aircraft Corp. (Bellanca)	7AC, 7ACA, S7AC, 7BCM, 7CCM, S7CCM, 7DC, S7DC, 7EC, S7EC, 7ECA, 7FC, 7GC, 7GCA, 7GCAA, 7GCB, 7GCBA, 7GCBC, 7HC, 7JC, 7KC, 7KCAB		A-759
3	Augustair, Inc. (Varga)	2150, 2150A, 2180		4A19
4	BA Aircraft Group	Beagle B206-all	A-121	A11EU
5	Beechcraft	D17S (UC-43, UC-43B, GB-1, GB-2), SD17S		A-649
6	Beechcraft	D17A (UC-43F)		TC 713
7	Beechcraft	D17R (UC-43A)		TC 638
8	Beechcraft	E17B (UC-43D), E17L, SE17B		TC 641
9	Beechcraft	F17D, SF17D		TC 689
10	Beechcraft	18A, S18A		TC 630
11	Beechcraft	18D, S18D, A18A, SA18A, A18D, SA18D		A-684
12	Beechcraft	18S, B18S		TC 710
13	Beechcraft	C18S (C-45, -45A, -45F, UC-45B, -45F, AT-7, -7A, -7B, -7C, JRB-1, -2, -3, -4, SNB-2, -2C)		A-757



(Continuation Sheet)

Number: SA09-30 Issue 6

NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

ITEM	MAKE	MODEL	Canadian TC	FAA TC
14	Beechcraft	3N, 3NM, 3TM, JRB-6, D18C, D18S, E18S, E18S-9700, G18S, H18, C-45G, TC-45G, C-45H, TC-45H, TC-45J, UC-45J (SNB-5), RC-45J (SNB-5P)		A-765
15	Beechcraft	AT-11, SNB-1		A-2-582
16	Beechcraft	23-all, 24-all		A1CE
17	Beechcraft	35, A35 thru G35, 35R		A-777
18	Beechcraft	33-all, 36-all, 35-remaining models	A-245	3A15
19	Beechcraft	45-all		5A3
20	Beechcraft	50-all		5A4
21	Beechcraft	55-all, 56TC-all, 58-all, 95-all	A-259	3A16
22	Beechcraft	58P		A23CE
23	Beechcraft	60-all		A12CE
24	Beechcraft	65-all		3A20
25	Beechcraft	76-all		A29CE
26	Hawker Beechcraft	B17L, SB17L, B17B		ATC 560
27	Hawker Beechcraft	C17L (UC-43J), SC17L, C17B (UC-43G), SC17B		ATC 602
28	Hawker Beechcraft	C17R (UC-43E), SC17R		ATC 604
29	Hawker Beechcraft	G17S		TC 779
30	Hawker Beechcraft	D18C-T		TC 770
31	Hawker Beechcraft	77 Skipper		A30CE
32	Alexandria Aircraft LLC (Bellanca)	17-30A, -31A, -31ATC		A18CE
33	Alexandria Aircraft LLC (Bellanca)	14-19-all 17-30, 17-31-all		1A3
34	Bellanca	14-13-all		A-773
35	BN Group Ltd. (Britten)	BN-2A-all	A-92	A29EU

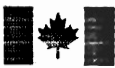


(Continuation Sheet)

Number: SA09-30 Issue 6

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ITEM	MAKE	MODEL	Canadian TC	FAA TC
	Norman)			
36	The Boeing Company (Douglas)	DC3A-SCG, DC3A-SC3G, DC3A-S1CG, DC3A-S1C3G, (C-41, C-41A, C-48, C-48A, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, R4D-3, R4D-4) DC3A-S4C4G, DC3C-SC3G, DC3C-S1C3G, -S4C4G (C-47, C-47A, R4D-1, R4D-5) DC3C-R-1830-90C, (C-47B, R4D-6) DC3D-R-1830-90C, (C-117A)		A-669
37	The Boeing Company (Douglas)	DC3-G102, DC3-G102A (C-49E, C-50, C-50A, C-50B, C-50C, C-50D, C-51) DC3-G103A, DC3-G202A (C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K, R4D-2)		A-618
38	The Boeing Company (Douglas)	Super DC-3, R4D-8, R4D-8Z		6A2
39	The Boeing Company (North American)	BC-1A, AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), SNJ-7, T-6G		A-2-575
40	The Boeing Company; Transcontinental and Western Air	B-17E, B-17G/ B-17F, B-17G	A-44 (Restricted)	L-1-3 (Limited)
41	Cal Pacific Airmotive (North American)	P-51C, P-51D (F-51D), P-51K (F-51K)		LTC-11
42	Cessna	120,140		A-768
43	Cessna	140A		5A2
44	Cessna	150,152-all		3A19
45	Cessna	F150-all, F152, FA150-all, FA152, FRA150-all		A13EU
46	Cessna	170-all		A-799
47	Cessna	172-all	A-199	3A12
48	Cessna	F172-all		A4EU
49	Cessna	FR172-all		A18EU
50	Cessna	175-all, P172-ALL, R172-ALL, 172RG, T-41-all		3A17



(Continuation Sheet)

Number: SA09-30 Issue 6

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ITEM	MAKE	MODEL	Canadian TC	FAA TC
51	Cessna	177-all		A13CE
52	Cessna	177RG		A20CE
53	Cessna	F177RG		A26EU
54	Cessna	180-all		5A6
55	Cessna	182-all	A-204	3A13
56	Cessna	185-all		3A24
57	Cessna	188-all, A188-all, T188-all	A-115	A9CE
58	Cessna	190, 195-all		A-790
59	Cessna	205-all, 210-all		3A21
60	Cessna	206-all	A-212	A4CE
61	Cessna	207-all		A16CE
62	Cessna	T303		A34CE
63	Cessna	310-all		3A10
64	Cessna	320-all, 340-all		3A25
65	Cessna	321		3A11
66	Cessna	336		A2CE
67	Cessna	337-all		A6CE
68	Cessna	F337-all		A23EU
69	Cessna	401-all, 402-all, 411-all, 414-all, 421-all, 425		A7CE
70	Cessna	404, 406		A25CE
71	Cessna (Lancair)	LC40-550FG(300), LC42-550FG(350), LC41-550FG(400)	A-225	A00003SE
72	Cirrus	SR20, SR22	A-216	A00009CH
73	Windecker (Composite Aircraft Corp.)	AC-7		A7SW



(Continuation Sheet)

Number: SA09-30 Issue 6

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ITEM	MAKE	MODEL	Canadian TC	FAA TC
74	Diamond	DA20-A1, DA20-C1	A-191	TA4CH
75	Diamond	DA40, DA40F	A-224	A47CE
76	Extra Flugzeugproduktions und Vertriebs GmbH	EA-300, EA-300/S, EA-300/L, EA-300/200		A67EU
77	Extra Flugzeugproduktions und Vertriebs GmbH	EA-400		A43CE
78	Found Aircraft Canada Inc.	FBA-2C, FBA-2C1	A67	A7EA
79	GA 8 Airvan	GA8, GA8-TC320	A-235	A00011LA
80	Globe Swift	GC-1A/1B		A-766
81	Gulfstream (Grumman)	G-44, G-44A (Widgeon)		A-734
82	SOCATA (Grumman)	GA-7	A-231	A17SO
83	Helio Aircraft LLC	H-250, H-295 (U-10D), HT-295, H-391 (YL-24), H-391B, H-395 (L-28A, U-10B), H-395A, H-700, H-800		1A8
84	Interceptor Aircraft (Meyers)	200-ALL		3A18
85	Revo, Inc. (Lake/ Colonial))	Colonial C-1, C-2; Lake LA-4-All, Lake Model 250		1A13
86	Luscombe	8, 8A, 8B, 8C, 8D, 8E, 8F, T-8F		A-694
87	Maule	M-4-all, M-5-all, M-6-all, M-7-all, MX7-all	A-200	3A23
88	Mooney Aircraft Corp.	M-20-all	A-221	2A3
89	Mooney Aircraft Corp.	M-22		A6SW
90	Vulcanair (Partenavia)	P 68-all, P68B-all, P68C-all, P68TC-all	A-150	A31EU
91	FS 2003 Corp. (Piper)	PA-12, PA-12S		A-780
92	Piper	PA-18-all		1A2
93	Piper	PA-23-all		1A10
94	Piper	PA24-all		1A15
95	Piper	PA-28-all		2A13



(Continuation Sheet)

Number: SA09-30 Issue 6

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ITEM	MAKE	MODEL	Canadian TC	FAA TC
96	Piper	PA-30, PA-39		A1EA
97	Piper	PA31-all		A8EA
98	Piper	PA-32-all	A-211	A3SO
99	Piper	PA-34-all	A-180	A7SO
100	Piper	PA-42-all	A-168	A23SO
101	Piper	PA-44-all		A19SO
102	Piper	PA-46-all	A-222	A25SO
103	Piper	PA-60-all		A17WE
104	Pitts	S1-all, S2-all		A8SO
105	Rockwell	112-all, 114-all		A12SO
106	Rockwell	500-all, 560-all, 680-all		2A4
107	Aermacchi (SIAI-Marchetti)	F260-all		A10EU
108	SOCATA (Groupe Aerospatiale)	TB 9, TB 10, TB 20, TB 21, TB 200	A-153	A51EU
109	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
110	Sky Enterprises Inc. STOL (Republic)	RC-3		A-769
111	Sky International Inc. (Christen)	A-1, A-1A, A-1B, A-1C-180, A-1C-200	A-165	A22NM
112	STOL Aircraft Corp.	UC-1		A6EA
113	Sierra Hotel Aero, Inc.	Navion-all		A-782
114	True Flight Holdings LLC (American General)	AA-1, AA-1A, AA-1B, AA-1C		A11EA
115	True Flight Holdings LLC (American General)	AA-5, AA-5A, AA-5B, AG-5B		A16EA



(Continuation Sheet)

Number: SA09-30 Issue 6

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ITEM	MAKE	MODEL	Canadian TC	FAA TC
116	Univair Aircraft (Stinson)	108-ALL		A-767
117	Viking Air Limited (deHavilland)	DHC-2 Mk. I, DHC-2 Mk. II (Beaver)		A-806
118	Viking Air Limited (deHavilland)	DHC-3 (Otter)		A-815

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