



Department of Transport

# Supplemental Type Certificate

**This approval is issued to:**

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

**Number:** SA03-35

**Issue No.:** 1

**Approval Date:** April 24, 2003

**Issue Date:** April 24, 2003

**Responsible Office:**

Ontario

**Aircraft/Engine Type or Model:**

See Eligibility List

**Canadian Type Certificate or Equivalent:**

See Eligibility List

**Description of Type Design Change:**

Installation of Graphic Engine Monitors, Model GEM-610 and GEMINI-1200

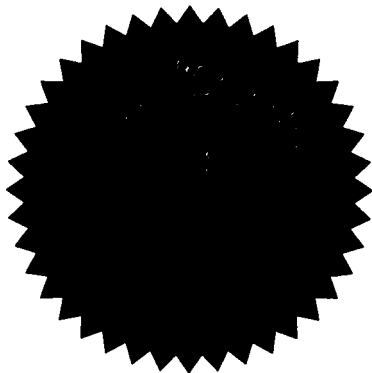
**Installation/Operating Data,  
Required Equipment and Limitations:**

Installation of the Graphic Engine Monitor (G.E.M.) System Model GEM-610 and GEMINI-1200 must be in accordance with GEM Series Installation Manual, Drawing 8258, Version 3.0, dated May 1996.

Operation must be in accordance with Insight Instrument Corporation Flight Manual Supplement FMS610/1200, Revision "--", approved April 24, 2003, or later Transport Canada approved revision.

Maintenance must be in accordance with Insight Instrument Corporation Instructions for Continued Airworthiness Graphic Engine Monitor, Amendment N/C, accepted April 24, 2003, or later Transport Canada accepted revision.

(See continuation sheets)



**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.

Vladan Vujošević  
For Minister of Transport

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

## Eligibility List

The following aircraft are eligible for this STC:  
(GEM 610 should be installed on these multi-engine aircraft.)

Make	Model	Canadian TC	FAA TC
Beechcraft	23 – all , 24 – all		A1CE
Beechcraft	33 – all , 36 – all		3A15
Beechcraft	35 – all		A-777/3A15
Beechcraft	45 – all		5A3
Bellanca	17-30/31 – all		1A3/A18CE
Bellanca	14-19 – all		1A3
Bellanca	14-13 – all		A-773
Cessna	150, 152 – all		3A19
Cessna	170 – all		A-799
Cessna	172 – all	A-199	3A12
Cessna	175 – all		3A17
Cessna	177 – all		A13CE
Cessna	177RG		A20CE
Cessna	180 – all		5A6
Cessna	182 – all	A-204	3A13
Cessna	185 – all		3A24
Cessna	205 – all, 210 – all		3A21
Cessna	206 – all	A-212	A4CE
Cessna	207 – all		A16CE
Composite Aircraft Corp. (Windecker)	AC-7		A7SW
Consolidated Aeronautics (Lake)	LA-4 – all		1A13
Found Aircraft Development Inc.	FBA-2C, FBA-2C1	A67	A7EA
Globe Swift	GC-1A/1B		A-766
Gulfstream Aerospace	AA-5B		A16EA
Helio Enterprises Inc.	H-295		1A8
Maule	M-4 – all, M-5 – all, M-6 – all, M-7 – all, MX7 – all	A-200	3A23
Mooney Aircraft Corp.	M-20 – all	A-221	2A3
Mooney	M-22		A6SW
Piper	PA-18 – all		1A2
Piper	PA-24 – all		1A15
Piper	PA-28 – all		2A13
Piper	PA-32 – all	A-211	A3SO
Piper	PA-46 – all	A-222	A25SO
Pitts	S1, S2		A8SO
REVO Inc. (Consolidated Aeronautics)	Lake Model 250		1A13
Rockwell	112 – all, 114 – all		A12SO
SIAl-Marchetti	F 260 – all		A10EU
SOCATA (Groupe Aerospatiale)	TB 9, TB 10, TB 20, TB 21, TB 200	A-153	A51EU
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
STOL (Republic)	RC-3		A-769
Thompson	Navion – all		A-782

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

(GEM 610 or GEMINI 1200 could be installed on these multi-engine aircraft.)

Make	Model	Canadian TC	FAA TC
BA Beagle	B206 – all	A-121	A11EU
Beechcraft	50 – all		5A4
Beechcraft	55 – all , 56TC, A56TC, 58 – all, 95 – all		3A16
Beechcraft	58P		A23CE
Beechcraft	60 – all		A12CE
Beechcraft	65 – all		3A20
Beechcraft	76 – all		A29CE
Britten Norman	BN-2A – all	A-92	A29EU
Cessna	T303		A34CE
Cessna	310 – all		3A10
Cessna	320 – all, 340 – all		3A25
Cessna	336		A2CE
Cessna	337 – all		A6CE
Cessna	401 – all, 402 – all, 411 – all, 414 – all, 421 – all, 425		A7CE
Cessna	404, 406		A25CE
Gulfstream American (Grumman)	GA-7		A17SO
Partenavia	P 68C		A31EU
Piper	PA-23 – all		1A10
Piper	PA-30, PA-39		A1EA
Piper	PA-31 – all		A8EA
Piper	PA-34 – all	A-180	A7SO
Piper	PA-42 – all		A23SO
Piper	PA-44 – all		A19SO
Piper	PA-60 – all		A17WE
Rockwell	500 – all, 560 – all, 680 – all		2A4
STOL Aircraft Corp.	UC-1		A6EA

- Note: 1) Where no Canadian Type Certificate is indicated – the FAA Type Certificate has been accepted by Transport Canada (no Canadian TC issued)  
2) This list repeats the Master Eligibility List of the FAA STC SA157NE (amended on October 18, 1996) , except for the added Found airplane.

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