

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

Number SA00729SE

This certificate, issued to

J. P. Instruments
P.O. Box 7033
Huntington Beach, CA 92646

*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. SA00729SE for a list of approved airplane

Model:

models and applicable airworthiness regulations.

Description of the Type Design Change: Installation of twin temperature indicating system with fuel flow in accordance with J.P. Instruments (JPI) Installation manual Report No. 760, Revision -, dated 7/20/99, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the aircraft models listed on the AML only. This approval should not be extended to other aircraft of these models 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, Airplane Flight Manual Supplement No. 760-1 dated August 31, 1999, or later FAA approved revision, and FAA Approved Model List (AML) No. SA00729SE must be maintained as part of the permanent records for the modified aircraft.

Cylinder head, oil, turbine inlet and/or exhaust gas temperature, fuel flow equipment, tachometer instruments, and manifold pressure instruments required by the original type design, or if required by other FAA approval, must remain installed.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall 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: June 18, 1999

Date reissued:

Date of issuance: August 31, 1999

Date amended:



By direction of the Administrator

(Signature)
Acting Manager, 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.

This certificate may be transferred in accordance with FAR 21.47.

FAA FORM 8110-2(10-68)

Subject: Permission to use STC.

To Whom It May Concern:

J.P. Instruments holder of STC SA00729SE grants to the purchaser of the EDM-760 series (PN 760000) permission to use STC SA00729SE.

Signed _____

**FOR
INSTALLATION OF THE EDM-760 SERIES
TEMPERATURE INDICATING SYSTEM WITH FUEL FLOW**

Issue Date; August 31 1999

I T E M	AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	PART NO. SEE PAGE 3 FOR SERIES	AML REVISION DATE
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1.	Aerostar (Piper)	PA-60-600, 601, 601P, PA-60-602P, -700P	A17WE	FAR 23	6	8/31/1999
2.	Aerostar Piper) Machen Conv.	650, 680 700, A,CR STC SA 1658NM	A17WE	FAR 23	6	8/31/1999
3.	American General Aircraft	GA-7	A17SO	FAR 23	4	6/11/2001
4.	Beech	58, 58A	3A16	CAR 3	6	8/31/1999
5.	Beech	58P, 58PA, 58TC, 58TCA	A23CE	FAR 23	6	8/31/1999
6.	Beech	60, A60, B60	A12CE	FAR 23	6	8/31/1999
7.	Beech	65, 65-80,65-A80,65-A80-8800, 65-88,65-B80,A65 A65-8200,70,	3A20	CAR 3	6	8/31/1999
8.	Beech	76	A29CE	Far 23	4	6/11/2001
9.	Beech	95 B95, B95A,D95A,E95,	3A16	CAR 3	4	8/31/1999
10.	Beech	95-55,-A55,-B55,-B55A, -C55,-C55A D55,D55A,E55,E55A	3A16	CAR 3	6	8/31/1999
11.	Beech	95-B55B (T-42A); 95-B55A, B55B with Colemill STC SA432SO	3A16	CAR 3	6	11/30/2005
12.	Cessna	T303	A334CE	FAR 23	6	1/27/2003
13.	Cessna	310C,D,E,F,G,H, E310H,310J,J,K,L,N,P,Q,R, 310J-1, E310J, T310P T310Q,T310R	3A10	CAR 3	6	8/31/1999
14.	Cessna	320,A,B,C,D,E,F,320-1,335, 340,340A	3A25		6	8/31/1999
15.	Cessna	336	A2CE	CAR 3	6	8/31/1999
16.	Cessna	337, 337A,B,C,D,E,F,G,H T337B,C,D,E,F,G,H, M337B,P337H,T337H-SP	A6CE	CAR 3	6	8/31/1999
17.	Cessna	401, 401A,B, 402,402A,B,C, 411,411A, 414,414A 421,421A, 421B,421C	A7CE	CAR 3	6	8/31/1999
18.	Cessna	404	A25CE	FAR 23	6T	11/30/2005
19.	Grumman	G-44, G-44A, Scan 30 with STC SA380WE	A-734	CAR 4a	6	11/30/2005
20.	Piper	PA-23,-23-160	1A10	CAR 3	4	8/31/1999
21.	Piper	PA- E23-250 , 23-250	1A10	CAR 3	6T	8/31/1999
22.	Piper	PA-30, PA-39, PA-40	A1EA	CAR 3	4T	8/31/1999
23.	Piper	PA-31	A20S0	CAR 3 FAR 23	6	1/27/2003
24.	Piper	PA-31--325,-31-350	A20SO	CAR 3 FAR 23	6	8/31/1999
25.	Piper	PA-31P	A8EA	CAR 3 FAR 23	6	6/11/2001
26.	Piper	PA-34-200	A7SO	FAR 23	4	8/31/1999
27.	Piper	PA-34-200T,-220T	A7SO	FAR 23	6	8/31/1999
28.	Piper	PA-44-180, -44-180T	A19SO	FAR 23	4	8/31/1999
29.	Twin Commander	500-A,	6A1	CAR 3	6	8/31/1999
30.	Twin Commander	500-B	6A1	CAR 3	6	6/11/2001
31.	Twin Commander	500-S,-U Merlyn STC SA 5969NM	6A1	CAR 3	6	6/11/2001
32.	Twin Commander	500-B, -S, -U Merlyn STC SA01142SE or STC SA01212SE	6A1	CAR 3	6T	11/30/2005
33.	Twin Commander	685	2A4	CAR 3	6	8/31/1999
34.	Siai-Marchetti	F20	A38EU	FAR 23 CAR 10	6	8/31/1999

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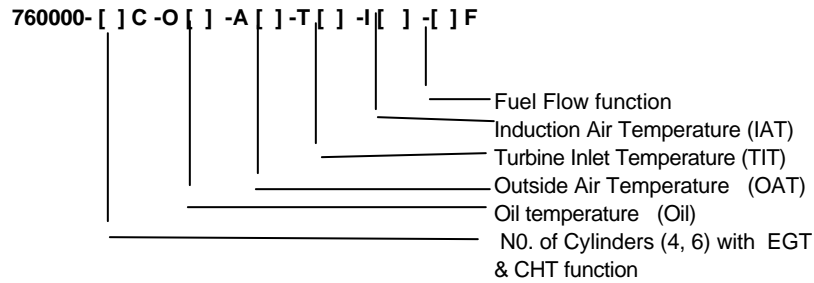
INSTALLATION OF THE EDM-760 SERIES

TEMPERATURE INDICATING SYSTEM WITH FUEL FLOW

ELIGIBLE PART NUMBERS for EDM-760 PN 760000

Note (2) suffix "♦" denotes turbocharged engines.

Model designation system by part number for EDM-760



Example: 760000 - (6COAI) is indicated as such on the TSO label

760000 - 6C - 0 [♦] - A [♦] - T [] - I [♦] - F [♦]

EDM 760 Model

- 6 Cylinder
- Oil Temperature function
- OAT, Outside Air function
- IAT, Induction Air function
- Fuel Flow

ELIGIBLE PART NUMBERS for 760000

Part number Series

4 4 Cylinder	6 6 Cylinder
760000-()	760000-()
4CF	6CF
4COF	6COF
4COAF	6COAF
4COATF	6COATF
4COTF	6COTF
4COTIF	6COTIF
4COAIF	6COAIF
4CATIF	6CATIF
4CAF	6CAF
4CATF	6CATF
4CAIF	6CAIF
4CTIF	6CTIF
4CTF	6CTF
4CIF	6CIF
4COATIF	6COATIF

Approval Date

FAA Approved:

Acting Manager, Seattle Aircraft Certification Office



U.S. Department
of Transportation
**Federal Aviation
Administration**

**TRANSPORT AIRPLANE DIRECTORATE
AIRCRAFT CERTIFICATION SERVICE
LOS ANGELES AIRCRAFT CERTIFICATION OFFICE
3960 PARAMOUNT BOULEVARD
LAKEWOOD, CALIFORNIA 90712-4137**

JUL 08 1996

J. P. Instruments
3402-I West Mac Arthur
Santa Ana, CA 92704

Dear Mr. Polizzotto:

J. P. Instruments, Temperature Indicator;
Technical Standard Order C43c

Your application dated March 28, 1996, requesting the issuance of a Technical Standard Order (TSO) authorization in accordance with the procedural requirements of Federal Aviation Regulation (FAR) Part 21, Subpart O has been reviewed. Based upon your data and statement of conformance certifying your article(s) have met the requirements of FAR Part 21, Subpart O, and the minimum performance standards of TSO C43c (Ref. FAR 21.305(b)), authorization is hereby granted for the following:

<u>MODEL</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
EDM-760	760000-()	Temperature Indicator

The technical data submitted with your application has been reviewed and accepted as fulfilling the requirements for a TSO authorization and will be retained in our files. For your information, the conditions and tests required for TSO approval are minimum performance standards. The article(s) may be installed on or within a specific type or class of aircraft only if further evaluation by the user/installer documents an acceptable installation that is approved by the Administrator.

The quality control procedures contained in your quality control manual, currently on file at the Los Angeles Manufacturing Inspection District Office, and your statement that those procedures will be applied to the manufacture of the subject article(s) at the above address, are considered adequate in accordance with FAR 21.143.

At completion of the review, J. P. Instruments submitted the following documents for acceptance:

Document Number	Description	Date	Revision
S760-04	Software Configuration Management Plan	07/03/96	1.01
S760-14	Software Verification Results	07/03/96	1.01
S760-16	Software Configuration Index	07/03/96	1.01

Upon the receipt of the aforementioned documents, the FAA has determined that the software system in place is acceptable for J. P. Instruments Model No. EDM-760.

Sincerely,

Rejean Chartier
Manager, Propulsion Branch