

SUPPLEMENTAL TYPE CERTIFICATE

10052045

This Supplemental Type Certificate is issued by EASA, acting in accordance with Regulation (EC) No. 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation and in accordance with Commission Regulation (EU) No. 748/2012 to

J.P. INSTRUMENTS, INC

**P.O.BOX. 7033
HUNTINGTON BEACH CA 92646
USA**

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and environmental protection requirements when operated within the conditions and limitations specified below:

**Original Type Certificate Number : SEE EASA APPROVED MODEL LIST
Type Certificate Holder : SEE EASA APPROVED MODEL LIST
Type Design - Model : SEE EASA APPROVED MODEL LIST
Original STC Number : FAA STC SA00432SE**

Description of Design Change:
Fuel flow transducer

EASA Certification Basis:

The certification Basis (CB) for the original product remains applicable to this certificate/approval. The requirements for environmental protection and the associated certified noise and/or emissions levels of the original product are unchanged and remain applicable to this certificate/approval.

See Continuation Sheet(s)

For the European Aviation Safety Agency,

Date of issue: 04 February 2015



Yves MORIER
Head of General Aviation and
Remotely Piloted Aircraft Systems (RPAS)

Note:
The following numbers are listed on the certificate:

SUPPLEMENTAL TYPE CERTIFICATE - 10052045 - J.P. INSTRUMENTS, INC

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Associated Technical Documentation:

J.P. Instruments (JPI) Fuel Flow Installation Manual Report # 503, Revision B, dated March 14 1997

JPI Drawing List, Report No. 500, Revision B, dated 14 March 1997

or later revisions of the above listed documents approved by EASA in accordance with EASA ED Decision 2004/04/CF (or subsequent revisions of this decision)" and/or the Technical Implementation Procedures of EU/USA Bilateral Agreement.

Limitations/Conditions:

Approval of this change in type design applies to the above model aircraft only

This STC requires the installation of JPI fuel flow instrument via STC SA2586NM

Prior to the installation of this design change it must be determined that the interrelationship between this design change and any other previously installed design change and/or repair will introduce no adverse effect upon the airworthiness of the product

- end -

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EASA Approved Model List (AML)
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J.P. INSTRUMENTS, INC

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE / CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION
SINGLE ENGINE				
1.	AERMACCHI S.p.A.	F.260, F.260B, F.260C, F.260D, F.260E, F.260F.	EASA.A.586	CAR 3 FAR 23
2.	Aero Commander	100-180.	1A21	CAR 3
3.	ALEXANDRIA AIRCRAFT	17-30, 17-31.	1A3	CAR 3
4.	American Champion (Bellanca)(Champion)	8GCBC, 8KCAB.	A21CE	FAR 23
5.	American Champion (Bellanca)(Champion)(Aeronca)	7AC, 7DC, 7ECA, 7GCBC, 7GCAA, 7GCBA, 7KCAB.	A-759	CAR 4a
6.	AUGUSTAIR (Morrisey) (Varga)	2150A.	4A19	CAR 3
7.	Aviat Aircraft, Inc.	S-2B.	A8SO	FAR 23
8.	Aviat Aircraft Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C-200.	A22NM	FAR 23
9.	Beechcraft	19A, B19, A23-19, M19A, A24R, B24R, C24R, B23, C23.	A1CE	CAR 3
10.	Beechcraft	35-33, 35-A33, 35-B33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, G36, A36TC, and B36TC.	3A15	CAR 3
11.	CESSNA	150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, 150L, 150M, A150K, A150L, A150M, 152, A152.	3A19	CAR 3
12.	CESSNA	FR172E, FR172F, FR172G, FR172H, FR172J.	A18EU	CAR 3 FAR 21.29
13.	CESSNA	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S.	3A12	CAR 3 FAR 23
14.	CESSNA	172RG, R172E, R172F, R172G, R172H, R172J, R172K, 175, 175A, 175B, 175C, P172D.	3A17	CAR 3
15.	CESSNA	177, 177A, 177B.	A13CE	FAR 23
16.	CESSNA	177RG.	A20CE	FAR 23
17.	CESSNA	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180I, 180K.	5A6	CAR 3
18.	CESSNA	182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 182S, 182T, T182T, R182, TR182, T182.	3A13	CAR 3

Note:
 The following numbers are listed on the certificate:
 EASA current Project Number: 001003199-001

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ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION
19.	CESSNA	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F.	3A24	CAR 3
20.	CESSNA	A. SINGLE ENGINE AIRCRAFT (ITEMS 1-94) B. TWIN ENGINE AIRCRAFT (ITEMS 95-127) 206, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, 206H, T206H, TU206G, P206, P206A, P206B, P206C, P206D, P206E, P206F, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G.	A4CE	CAR 3
21.	CESSNA	207, 207A, T207, T207A.	A16CE	FAR 23
22.	CESSNA	210, 210A, 210B, 210C, 210D, 210E, 210F, 210G, 210H, 210J, 210K, 210L, 210M, 210N, 210R, P210N, P210R, T210F, T210G, T210H, T210K, T210L, T210M, T210N, T210R. 210-5 (205), 210-5A (205A).	3A21	CAR 3
23.	CESSNA	LC40-550FG, LC41-550FG.	A00003SE	FAR 23
24.	Cirrus Design Corporation	SR20, SR22.	EASA.IM.A.007	FAR 23
25.	COMMANDER	112, 112B, 112TC, 112TCA, 114, 114A, 114B, 114TC.	A12SO	FAR 23
26.	DeHavilland Support Ltd. (Beagle)	B.121 Series 1, B.121 Series 2, B.121 Series 3.	A22EU	FAR 21.29 FAR 23
27.	DIAMOND	DA40, DA40F.	EASA.A.022	FAR.21.29
28.	DIAMOND	DA20-A1, DA20-C1.	EASA.IM.A.223	FAR 23 FAR.21.29
29.	EXTRA	EA-400.	EASA.A.011	FAR 23
30.	EXTRA	EA-300, EA-300S, EA-300L, EA-300/200.	EASA.A.362	FAR 21.29 FAR 23
31.	GA 8 Airvan (Pty) Ltd.	GA8-TC320.	EASA.IM.A.042	FAR 23
32.	GENERAL AVIA	F22B, F22C.	A75EU	FAR 23
33.	Helio Aircraft, LLC	H-295, HT-295, H-395, H-391, B, H-800.	1A8	CAR 3
34.	Interceptor (Aero Commander), (Meyers) (Interceptor)	200B, 200C, 200D.	3A18	CAR 3
35.	LAVIA S.A.	PA-25-235, PA-25-260.	AR AV-0004	CAR 3

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		A. SINGLE ENGINE AIRCRAFT (ITEMS 1-94) B. TWIN ENGINE AIRCRAFT (ITEMS 95-127)		
36.	MAULE	M-4-210, M-4-210C, M-4-210S, M-4-210T, M-4-220, M-4-220C, M-4-220S, M-4-220T, M-5-180C, M-5-180C, M-5-200, M-5-210C, M-5-235C, M-6-235, MT-7-235, MT-7-260, M-7-235, M-7-235A, M-7-235B, M-7-235C, M-7-260, MX-7-180, MX-7-180A, MX-7-180B, MX-7-180C, MX-7-180AC, MX-7-235, MXT-7-160, MXT-7-180, MXT-7-180A, M-7-260C.	EASA.IM.A.018	CAR 3
37.	Mooney	M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20L, M20S, M20TN.	2A3	CAR 3, FAR 23
38.	Mooney	M20M, M20R	EASA.IM.A.266	CAR 3, FAR 23
39.	Mooney	M22.	A6SW	CAR 3
40.	Piper Aircraft, Inc.	PA-24, PA-24-250, PA-24-260, PA-24-400.	1A15	CAR 3
41.	Piper Aircraft, Inc.	PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-161, PA-28-180, PA-28-181, PA-28R-180, PA-28R-200, PA-28R-201, PA-28RT-201, PA-28-201T, PA-28R-201T, PA-28RT-201T, PA-28-235, PA-28-236, PA28S-160, PA28S-180.	2A13	CAR 3
42.	Piper Aircraft, Inc.	PA-32-260, PA-32-300, PA-32R-300, PA-32S-300, PA-32-301, PA-32-301T, PA-32RT-300, PA-32RT-300T.	A3SO	CAR 3
43.	Piper Aircraft, Inc.	PA-32R-301 (HP)	EASA.IM.A.239	CAR 3
44.	Piper Aircraft, Inc.	PA-36-285, PA-36-375, PA-36-300.	A9SO A10SO	FAR 23
45.	Piper Aircraft, Inc.	PA-38-112.	A18SO	FAR 23
46.	Piper Aircraft, Inc.	PA-46-310P, PA-46-350P, PA-46R-350T.	EASA.IM.A.077	FAR 23
47.	Revo, Inc.	LA-4, LAKE Model 250, LAKE LA-4-200.	1A13	CAR 3 FAR 23
48.	Rogers (Mitchell) (Rogers)	15AC.	A-802	CAR 3
49.	RUSCHMEYER	R90-230RG.	Germany 1082	FAR 21.29, FAR 23
50.	SOCATA	TB 9, TB 10, TB 20, TB 21, TB 200.	EASA.A.378	FAR 21.29
51.	SOCATA MORANE SAULNIER (Rallye) Series	Rallye 235E, MS894A.	EASA.A.379	CAR 3 CAR 10

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		A. SINGLE ENGINE AIRCRAFT (ITEMS 1-94)		
		B. TWIN ENGINE AIRCRAFT (ITEMS 95-127)		
52.	SYMPHONY AIRCRAFT INDUSTRIES, INC.	SA 160.	FAR 23	EASA.A.031
53.	True Flight Holdings LLC	AA-1, AA-1A, AA-1B, AA-1C.	FAR 23	A11EA
54.	True Flight Holdings LLC	AA-5, AA-5A, AA-5B, AG-5B.	FAR 23	A16EA
55.	WACO	YMF F5, YMF F5C.	Aero Bulletin 7A	EASA.IM.A.055
56.	Waco Classic Aircraft Corporation	2T-1A-1, 2T-1A-2.	AERO BULL 7-A, FAR 23	A18EA
57.	ZLIN AIRCRAFT a.s.	Z-143L.	FAR 23	EASA.A.028
58.	ZLIN AIRCRAFT a.s.	Z-242L	FAR 23	EASA.A.027
		TWIN ENGINE		
59.	Aerostar	PA-60-600, PA-60-601, PA-60-601P, PA-60-602P, and PA-60-700P.	FAR 23	A17WE
60.	Beechcraft	B50, C50, D50, D50C.	CAR 3	5A4
61.	Beechcraft	D55, E55, E55A, 95, B95, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B, 95-C55, 95-C55A, 95-D55A, B95A, D95A, E95, 56TC, A56TC, 58, 58A, G58.	CAR 3	3A16
62.	Beechcraft	58P, 58PA, 58TC, and 58TCA.	FAR 23	A23CE
63.	Beechcraft	60, A60, B60.	FAR 23	A12CE
64.	Beechcraft	65-80, 65-A80, 65-A80-8800, 65-B80, 65-88.	CAR 3	3A20
65.	Beechcraft	76.	FAR 23	A29CE
66.	B-N Group Ltd.	BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-26, and BN-2A-27.	FAR 21.29 FAR 23	CAA-UK AAN
67.	CESSNA	BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27. T303.	FAR 23	A34CE
68.	CESSNA	310, 310A, 310B, 310C, 310D, 310E, 310F, 310G, 310H, 310J, 310K, 310L, 310N, 310P, 310Q, 310R, T310P, T310Q, T310R, 310J-1, E310H, E310J, 310J-1.	CAR 3	3A10
69.	CESSNA	320, 320A, 320B, 320C, 320D, 320E, 320F, 320-1, 335, 340, 340A.	CAR 3	3A25
70.	CESSNA	337, 337A, 337B, 337C, 337D, 337E, 337F, 337G, 337H, T337B, T337C, T337D, T337 E, T337F, T337G, T337H, M337B, P337H, T337H-SP.	CAR 3 FAR 23	A6CE


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71.	CESSNA	404.	A25CE	FAR 23
72.	CESSNA	401, 401A, 401B, 402A, 402B, 402C, 411, 411A, 414, 414A, 421, 421A, 421B, 421C.	A7CE	CAR 3
73.	Diamond Aircraft Ind.	DA 42, DA 42 NG, DA 42 M-NG.	EASA.A.005	FAR 21
74.	Piper Aircraft, Inc.	PA-23, PA-23-160, PA-23-235, PA-23-250, PA-23-E23-250.	1A10	CAR 3
75.	Piper Aircraft, Inc.	PA-30, PA-39, PA-40.	A1EA	CAR 3
76.	Piper Aircraft, Inc.	PA-31, PA-31-325, PA-31-350.	A2050	CAR 3 FAR 23
77.	Piper Aircraft, Inc.	PA-31P, PA-31P-350.	A8EA	CAR 3 FAR 23
78.	Piper Aircraft, Inc.	PA-34-200, PA-34-200T, PA-34-220T.	EASA.IM.A.090	FAR 23
79.	Piper Aircraft, Inc.	PA-44-180, PA-44-180T.	EASA.IM.A.232	FAR 23
80.	SOCATA, S.A.	GA-7.	FR TCDS 190	FAR 23
81.	Twin Commander	500-A, 500-B. Also 500-B, 500-S, 500-U.	6A1	CAR 3
82.	Twin Commander	680FL, 685.	2A4	CAR 3
83.	Vulcanair S.p.A	P68, P68B, P68C, P68 Observer, P68 Observer 2.	EASA.A.385	FAR 23

For the European Aviation Safety Agency,

Date of issue: 04 February 2015



Yves MORIER
 Head of General Aviation
 Remotely Piloted Aircraft system (RPAS)

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STC APPROVAL – 10052045 – J.P. INSTRUMENTS, INC – EASA Approved Model List (AML)