

| | Regulation | Method of Compliance |
|--|---|---|
| 2) Scope | Types: Type I Type II | Type II – Counter type instrument that indicates both fuel consumed and quantity remaining. |
| 3) General Requirements | 3.1.1 materials | |
| | 3.1.2 Workmanship | |
| | 3.2 Identification | |
| | 3.3 Environmental | See section 5, 6, 7 |
| | 3.3.1 Temperature | Instrument Location: Power Plant Compartment PASSED |
| | 3.3.2 Humidity: | PASSED |
| | 3.3.3 Vibration | Power Plant Mounted: PASSED |
| | 3.3.4 Altitude | PASSED |
| | 3.4 Radio Interference | PASSED Additional testing see section 6.0 |
| | 3.5 Magnetic Effect | PASSED |
| | 4.0 Detail Req. | |
| | 4.1.1 Indicating Method | Type II instrument with a counter to indicate both fuel consumed and quantity remaining. |
| | 4.2 Dial Markings | |
| | 4.2.1 Finish | PASSED |
| | 4.2.2 Numerals | PASSED |
| | 4.2.3 Graduations | PASSED |
| | 4.2.4 Counters | PASSED |
| | 4.2.5 Visibility | PASSED |
| | 4.3 Flow Direction | PASSED |
| | 4.4 fuel Characteristics | All transmitters are specifically designed to operate with all aviation fuel. |
| 4.5 Power Variations | PASSED | |
| 4.6 Safety Provision | PASSED | |
| 5.0 to 5.5 | PASSED. | |
| 6.0 Individual performance req. Additional testing: DO-160D, Section 21, Emission of Radio Frequency Energy | Tested to Category "M", This category may be suitable for equipment and associated interconnecting wiring located in the electronic bay of an aircraft. Section 21.3 Conducted RF Emission a). Passed category M b). Passed category M Section 21.4 Radiated RF Emission Passed category M | |
| 6.1 Scale Error | PASSED | |
| 6.2 Dielectric | | |
| 6.2.1 Insulation res. | Not Applicable | |
| 6.2.2 Overpotential | Not Applicable | |
| 6.2.2.1 Hermetically sealed | Not Applicable | |
| 6.3 Leak test | PASSED | |
| 7.1 Low and High temperature | PASSED | |

| | | |
|--|---|--------|
| | 7.2 Extreme Temperature Exposure | PASSED |
| | 7.3 Magnetic Effect | PASSED |
| | 7.4 Humidity | PASSED |
| | 7.5 Vibration | PASSED |
| | 7.5.1 Resonance: | |
| | 7.5.2 Cycling: | PASSED |
| | 7.6 Locked rotor | PASSED |

| | | | | | |
|-----|---|--|-------|------------|------|
| 1. | Aerostar (Piper) | PA-60-600, 601, 601P PA-60-602P, -700P | A17WE | FAR 23 | 6/99 |
| 2. | Aerostar (Piper) Machen Conv. | 650, 680 700, A,CR STC SA 1658NM | A17WE | FAR 23 | 6/99 |
| 3. | American Champion Aircraft Corp. | 8KCAB | A21CE | CAR4a | 8/97 |
| 4. | American Champion Aircraft Corp. | 7GCBC, 7ECA, 7GCBA, 7GCAA, 7KCAB | A-759 | CAR4a | 8/97 |
| 5. | American General Aircraft Holdings, Grumman | AA-5, AA-5A, AA-5B | A16EA | FAR 23 | 6/97 |
| 6. | American General Aircraft Holdings, Grumman | AG-5B | A16EA | FAR 23 | 8/97 |
| 7. | Beech | (YT-34) 45, (T-34A, B-45) A45, (T- 34B) D45 Cont. E-225-8 | 5A3 | CAR 3 | |
| 8. | Beech | B23,C23 | A1CE | CAR 3 | 6/97 |
| 9. | Beech | C24R, B24R | A1CE | CAR 3 | 5/00 |
| 10. | Beech | 35, A35, B35, C35, D35, E35, F35, G35, 35R | A-777 | CAR 3 | |
| 11. | Beech | , J35, K35, M35, N35 | 3A15 | CAR 3 | 8/97 |
| 12. | Beech | V35, V35A, V35B, 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, S35, P35, N35 E33, E33A, E33C, F33, F33A, F33C, G33, 36, A36, A36TC, B36TC | 3A15 | CAR 3 | |
| 13. | Beech | 58, 58A | 3A16 | CAR3 | 8/97 |
| 14. | Beech | 58P,58PA,58TC,58TCA | A23CE | FAR 23 | 6/97 |
| 15. | Beech | 95-55, -A55, -B55, -B55A, -C55, C55A, D55, D55A, E55, E55A, 95-58, 58A | 3A16 | CAR 3 | |
| 16. | Beech | 95, B95 | 3A16 | CAR 3 | 6/97 |
| 17. | Bellanca | 17-30 | 1A3 | CAR 3 | |
| 18. | Bellanca | 17-31ATC | 1A3 | Far 23 | 6/99 |
| 19. | Boeing Stearman | 75, A75, E 75 , A75L300, A75, B75, A75N1, A75JI | A-743 | CAR- 4A | 6/97 |
| 20. | Cessna | 170, 170A, B | A-799 | CAR 3 | |

**J.P. INSTRUMENTS FAA APPROVED MODEL LIST (AML) FOR:
1- INSTALLATION OF THE EGT 701 SERIES FUEL FLOW TRANSDUCER, NO. SA00432SE
2- INSTALLATION OF THE (FS-450) 450000 SERIES,
No. SA00861SE FUEL FLOW INSTRUMENT and TRANSDUCER**

| I T E M | AIRCRAFT MAKE | AIRCRAFT MODEL | TCDS | CERT. BASIS FOR ALTERATION | AML REV. DATE |
|------------------|------------------|---|--------------|----------------------------------|---------------------|
| 21 | Cessna Cessna | 172, 172A, B, C, D, E, F, G, H, 172 I, K, L, M, N, P, Q | 3A12 3A12 | CAR 3 | |
| 22 | Cessna | 172R | 3A12 | FAR 23 | 8/97 |
| 23 | Cessna | 172RG | 3A17 | CAR 3 | 6/97 |
| 24 | Cessna | R172E,F,G,H,J,K,175,175A,B,C , P172D | 3A17 | CAR 3 | 6/97 |
| 25 | Cessna | 177,177A, 177B | A13CE | FAR 23 | 6/97 |
| 26 | Cessna | 177RG | A20CE | FAR 23 | 6/97 |
| 27 | Cessna | 180, 180A, B, C, D, E, F, G, H, J, K | 5A6 | CAR 3 | |
| 28 | Cessna | 182,182A,B,C,D,E,F,G,H,J,K, L,M,N,P,Q, R | 3A13 | CAR 3 | |
| 29 | Cessna | 182 series Air Planes Corp, STC SA00152WI Engine IO-520 and IO- 550 | 3A13 | CAR3 | 5/00 |
| 30 | Cessna | 182S | 3A13 | FAR 23 | 8/97 |
| 31 | Cessna | R182, T182, TR182 | 3A13 | CAR 3 | 6/97 |
| 32 | Cessna | 185,185A,B,C,D,E,A185E,A185F | 3A24 | CAR 3 | |
| 33 | Cessna | 188, 188A, 188B, A188, A188A, A188B, T188C | A9CE | FAR 21 | |
| 34 | Cessna | 195, A,B | A-790 | CAR 3 | 6/97 |
| 35 | Cessna | 206, 206, P206A, B, C, D, E, TP206A, B, C, D, E, U206, U206A, B, C, D, E, F, G, TU206A, B, C, D, E, F, G | A4CE | CAR 3 | |
| 36 | Cessna | T206H | A4CE | FAR 23 | 6/99 |
| 37 | Cessna | U206A, B, C, D, E, F, G. (with Lycoming TIO-540- series engine per STC SA-2123NM) | A4CE | CAR3 | 5/00 |
| 38 | Cessna | 207, 207A, T207, T207A | A16CE | FAR 23 | |
| 39 | Cessna | 210, 210A, B, C, D, E, F 210-5, 210-5A, T210F, 210G, T210G, 210H, T210H, 210J, T210J, T210K, 210K, 210L, T210L, 210M, T210M, 210N, P210N, T210N, 210R, P210R, T210R | 3A21 | FAR 23 | |
| 40 | Cessna | 310, C, D, E, F, G, H, E310H, 310I, J, K, L, N, P, Q, R 310J-1, E310J, T310P, Q, R, T310Q, 310R, T310R | 3A10 | CAR 3 | |
| 41 | Cessna | 320, A, B, C, D, E, F, 320-1, 335, 340, 340A | 3A25 | CAR 3 | |
| 42 | Cessna | 336 | A2CE | CAR 3 | |
| 43 | Cessna | 337, 337A, B, C, D, E, F, G, H, T337B, C, D, E, F, G, H, M337B, P337H, T337H-SP | A6CE | CAR 3 | |

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No. SA00861SE FUEL FLOW INSTRUMENT and TRANSDUCER**

| I T E M | AIRCRAFT MAKE | AIRCRAFT MODEL | TCDS | CERT. BASIS FOR ALTERATION | AML REV. DATE |
|------------------|-------------------------------------|---|----------------|----------------------------------|---------------------|
| 44 | Cessna | 401, 401A, B, 402, 402A, B, C, 411, 411A, 414, 414A, 421, 421A 421B, 421C | A7CE | CAR 3 | |
| 45 | Commander | 112, B, TC, TCA, 114, A, B. TC | A12SO | FAR 23 | 6/97 |
| 46 | EXTRA | EA-300,S, L, EA-300/200 | A67EU | FAR 21.29 FAR 23 | 6/97 |
| 47 | GENERAL AVIA | F22B F22C | A75EU | FAR 23 | 8/97 |
| 48 | Twin Commander Aircraft Corp. | 500-A, 685 | 6A1 2A4 | CAR 3 | |
| 49 | Jobmaster Company | DGA-15P (Army UC-70; Navy GH-1, GH-2,GH-3, NH-1 | A-717 | CAR4a | 8/97 |
| 50 | Maule | MX-7-180, A, B MXT-7-180, A, B, | 3A23 | CAR 3 | 6/97 |
| 51 | Maule | M-7-260 | 3A23 | CAR 3 | 6/99 |
| 52 | Maule | M-4-210, C, S, T, M-5-210C | 3A23 | CAR 3 | |
| 53 | Maule | M-5-235C | 3A23 | FAR 23 | 6/99 |
| 54 | Maule | M-7-235C | 3A23 | FAR 23 | 5/00 |
| 55 | Revo inc. LAKE | LA-4, LA-4-200 Lake Model - 250 | 1A13 | CAR 03 FAR 23 | 6/97 |
| 56 | Mooney | M20 | 2A3 | CAR 3 | 6/97 |
| 57 | Mooney | M20A,B,C,D,G,J,M,R | 2A3 | CAR 3 | 6/97 |
| 58 | Mooney | M20, E, F, M20K | 2A3 2A3 | CAR 3 | |
| 59 | Mooney Rocket Eng. Conv. | M20K Rocket 305 (STC SA 5691NM) | 2A3 | FAR 23 | 6/99 |
| 60 | Mooney Rocket Eng. Conv. | M20J Missile (STC SA 00472SE) | 2A3 | FAR 23 | 6/99 |
| 61 | Mooney | M22 | A6SW | CAR3 | 5/00 |
| 62 | Piper | PA-20, -20S, 20-"115", 20S-"115", PA-20-"135", -20S-"135" | 1A4 | CAR 3 | |
| 63 | Piper | PA-22, -22-108, -22-135, -22S-135, PA-22S-150, -22-160, -22S-160 | 1A6 | CAR 3 | |
| 64 | Piper | PA 23, 23-160, PA-E23-250, PA-23-250 | 1A10 | CAR 3 | 6/97 |
| 65 | Piper | PA24, 250, 260, | 1A15 | CAR 3 | |
| 66 | Piper | PA-24-400 | 1A15 | CAR3 | 5/00 |

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| I T E M | AIRCRAFT MAKE | AIRCRAFT MODEL | TCDS | CERT. BASIS FOR ALTERATION | AML REV. DATE |
|------------------|---|---|-------|----------------------------------|---------------------|
| 67 | Piper | PA-28-140,-150,-151,-160,-161, PA-28-180,-28S-160 PA-28R-180 ,28S-180 | 2A13 | CAR 3 | 6/97 |
| 68 | Piper | PA-28-181, PA-28R-200, PA-28R-201, -28R-201T. -28-201T, PA-28RT-201, -28RT-201T | 2A13 | CAR 3 | |
| 69 | Piper | PA-28-235; -28-236 | 2A13 | CAR 3 | 6/97 |
| 70 | Piper | PA-30, 39, 40 | A1EA | CAR 3 | 6/97 |
| 71 | Piper | PA -31-350 | A20SO | CAR 3 FAR23 | 6/97 |
| 72 | Piper | PA-31-325 | A20SO | CAR3 | 6/99 |
| 73 | Piper | PA-32-300, -32S-300, PA-32R-301, PA32R-300, PA-32-301 | A3SO | CAR 3 | |
| 74 | Piper | PA-32-RT-300 | A3SO | CAR3 | 8/97 |
| 75 | Piper | PA-32-260 PA-32RT-300T PA -32R-301T, PA -32-301T | A3SO | CAR 3 | 6/97 |
| 76 | Piper | PA-32R-300 | A3SO | CAR3 | 6/99 |
| 77 | Piper | PA-34-200 | A7SO | FAR 23 | 6/97 |
| 78 | Piper | PA-34-200T, -220T | A7SO | FAR 23 | |
| 79 | Piper Twin | PA-44-180, -44-180T | A19SO | FAR-23 | 6/97 |
| 80 | Piper | PA-46-350P | A25SO | FAR 23 | 6/97 |
| 81 | Piper | PA-46-310P | A25SO | FAR 23 | |
| 82 | Robinson Helicopter Co. | R22 R22 ALPHA R22 BETA R22 MARINER | H10WE | FAR27 | 8/97 |
| 83 | Robinson Helicopter Co. | R44 | H11NM | FAR27 | 8/97 |
| 84 | Sky Enterprises (Republic) | RC-3 | A-769 | CAR 03 | 5/00 |
| 85 | PITTS (AVIAT) White Inter.Ltd. | S-1S, S-1T, S-2, S-2A, S-2S, S-2B | A8SO | FAR23 | 8/97 |
| 86 | Christen (AVIAT) White Inter.Ltd. | A-1, S-2B | A22NM | FAR23 | 8/97 |
| 87 | Thompson | Navion, A,B,C,D,E,F,G with IO-520 Series eng. | A-782 | CAR 3 | 6/97 |
| 88 | Thompson | Navion, A, B, with IO-470 Series eng. | A-782 | CAR 3 | 6/97 |
| 89 | Thompson | Navion, B, D, E | A-782 | CAR 3 | 6/97 |
| 90 | Thompson | Navion, F, G, H | A-782 | CAR 3 | |

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|------------------|-----------------------------|---|-------|----------------------------------|---------------------|
| 91 | S.O.C.A.T.A Aerospatiale | TB10,TB20, TB21,200 | A51EU | FAR 21.29 | 6/97 |
| 92 | Siai-Marchetti | F.260, F.260B, F.260C F260D, F.260E, F.260F | A10EU | FAR 23 CAR 10 | 8/97 |
| 93 | Siai-Marchetti | F20 | A38EU | FAR 23 CAR 10 | |
| 94 | Swift Museum | GC-1B (with continental IO-360 series engine per STC SA53NW) | 766 | CAR4a | 5/00 |
| 95 | Weatherly | 620B | A26WE | Far 21.25(a) | 6/99 |

FAA APPROVED:



Manager, Special Certification Branch, ANM-1905
 Federal Aviation Administration
 Seattle Aircraft Certification Office
 Transport Airplane Directorate

Date: December 18, 2000