

Supplemental Type Certificate

Number SA2586NM

This Certificate issued to J. P. INSTRUMENTS

PO 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 herein meets the airworthiness requirements of Part 3 of the Civil Aviation Regulations, including respective Amendments as specified in the attached Approved Model List.

Original Product Type Certificate Number: * "See attached FAA Approved J.P. Instruments

Make: * Master Eligibility List No. SA2586NM for list

Model: * of approved aircraft models and applicable TCDS

Description of Type Design Change:

Installation of J. P. Instruments temperature monitoring systems in accordance with FAA Approved J. P. Instruments Drawing List Report No. 100, Revision D, dated December 19, 1996, or later FAA approved revisions. FAA Approved Airplane/Rotorcraft Flight Manual Supplement No. 1 for EGT-701 temperature indicator, Revision A, dated December 13, 1996, or later FAA approved revisions.

Limitations and Conditions: The approval of the change in type design applies to the basic airplane of the specific models that are otherwise unmodified. This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of that airplane. 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. (See continuation sheet)

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 issued:

Date of application: December 31, 1984

Date of issuance: August 14, 1985

Date amended: July 13, 1987, November 13, 1992, December 19, 1996, May 15, 1998, June 17, 1999

By direction of the Administrator



[Signature]
(Signature)

Manager, Propulsion Branch
Los Angeles 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.

FAA APPROVED

14-000 Series 80 Series

Department of Transportation • Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Model SA2586NM

Limitations and Conditions - continued

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

Alcohol listed on the FAA approved Master Eligibility List SA2586NM and that have been previously modified with a fuel flow indication system that utilizes the Pt100 fuel flow transducer (P/N: 201-A, 202-B, 201-C, or 251 or equivalent as listed on page 4 of the FAA Approved Installation Instructions, Drawing 103) are eligible for installation of the EGT-701 fuel flow option.

This certificate does not constitute installation approval of the fuel flow transducer.

EGT-701 temperature indicators with tachometer (rpm) and manifold pressure options are eligible for the 4 cylinder and 6 cylinder engines listed on the Master Eligibility List (MEL) SA2586NM only.

FAA Approved Airplane/Propeller Flight Manual Supplement No. 1, Revision A, dated December 13, 1996 or later FAA approved revisions, is required with the installation of the EGT-701 system.

Eligible dual numbers for the EGT-701 are listed on MEL SA2586NM.

A copy of this certificate must be maintained as part of the permanent records of the modified aircraft.

-END-

Any alteration of this certificate is prohibited by a fine of not exceeding \$1,000 or imprisonment for not exceeding 1 year or both.

14 CFR 91.417(a)(1)

14 CFR 91.417(a)(2) - This certificate may be incorporated into the aircraft's records.



MASTER ELIGIBILITY LIST

NO. SA2586NM

INSTALLATION OF THE EGT 100, 200 SERIES AND 701 SERIES TEMPERATURE

INDICATORS,
FOR

EXHAUST GAS, CYLINDER HEAD TEMPERATURE MONITORING SYSTEM.

STC NUMBER: SA2586NM

DATE: AUGUST 14, 1985

REV 13
DATE: February 19-85

Installation Form 100

FAA APPROVAL

APR 18 2003

FOR APPROVAL
AIRCRAFT CERTIFICATION OFFICE
INITIALS: [Signature]

REVISION LOG

TO FAA APPROVED MASTER ELIGIBILITY
REPORT NO. SA2586N

REVISION DATE NO.	REVISION DESCRIPTION	SHEET 2
APPROVED	Initial Release:	Sheets 1 thru 5
1- 8-14-85	Addition of: Cessna Models 320, 336, 340 and Piper Model PA-24, PA-44, PA-60 series, Sheet 5 Form at changes and typing corrections. Revision of Approval Date column on sheet 9 and subsequent sheets	
2- 7-22-88	Addition of: Gulfstream American 112, 114, AA-6, 300 and 380; Beech 50, 60, 65, 70, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000	
3- 7-13-87	Addition of: Piper PA-46-110P (Malibu PA-31P (Malibu) Series (P), added to instrument part number indicating OI temperature PMA probe, PMA400000-2-1-C. Applicable to all Lycoming and Continental diesel engine piston engines. Suffix (T) added to instrument part number indicating turbine inlet temperature with probe PTH 14-111 parentheses (1) added to any instrument part number, will indicate: * Note, Any of AIR of the options in parentheses are applicable. Reclassified	Sheets 6 & 7
4- 5-23-90	Addition of: Elicon Helicopter F-26-20A, 20C, 20F, 20G, 20H, 20I, 20J, 20K, 20L, 20M, 20N, 20O, 20P, 20Q, 20R, 20S, 20T, 20U, 20V, 20W, 20X, 20Y, 20Z, 20AA, 20AB, 20AC, 20AD, 20AE, 20AF, 20AG, 20AH, 20AI, 20AJ, 20AK, 20AL, 20AM, 20AN, 20AO, 20AP, 20AQ, 20AR, 20AS, 20AT, 20AU, 20AV, 20AW, 20AX, 20AY, 20AZ, 20BA, 20BB, 20BC, 20BD, 20BE, 20BF, 20BG, 20BH, 20BI, 20BJ, 20BK, 20BL, 20BM, 20BN, 20BO, 20BP, 20BQ, 20BR, 20BS, 20BT, 20BU, 20BV, 20BW, 20BX, 20BY, 20BZ, 20CA, 20CB, 20CC, 20CD, 20CE, 20CF, 20CG, 20CH, 20CI, 20CJ, 20CK, 20CL, 20CM, 20CN, 20CO, 20CP, 20CQ, 20CR, 20CS, 20CT, 20CU, 20CV, 20CW, 20CX, 20CY, 20CZ, 20DA, 20DB, 20DC, 20DD, 20DE, 20DF, 20DG, 20DH, 20DI, 20DJ, 20DK, 20DL, 20DM, 20DN, 20DO, 20DP, 20DQ, 20DR, 20DS, 20DT, 20DU, 20DV, 20DW, 20DX, 20DY, 20DZ, 20EA, 20EB, 20EC, 20ED, 20EE, 20EF, 20EG, 20EH, 20EI, 20EJ, 20EK, 20EL, 20EM, 20EN, 20EO, 20EP, 20EQ, 20ER, 20ES, 20ET, 20EU, 20EV, 20EW, 20EX, 20EY, 20EZ, 20FA, 20FB, 20FC, 20FD, 20FE, 20FF, 20FG, 20FH, 20FI, 20FJ, 20FK, 20FL, 20FM, 20FN, 20FO, 20FP, 20FQ, 20FR, 20FS, 20FT, 20FU, 20FV, 20FW, 20FX, 20FY, 20FZ, 20GA, 20GB, 20GC, 20GD, 20GE, 20GF, 20GG, 20GH, 20GI, 20GJ, 20GK, 20GL, 20GM, 20GN, 20GO, 20GP, 20GQ, 20GR, 20GS, 20GT, 20GU, 20GV, 20GW, 20GX, 20GY, 20GZ, 20HA, 20HB, 20HC, 20HD, 20HE, 20HF, 20HG, 20HH, 20HI, 20HJ, 20HK, 20HL, 20HM, 20HN, 20HO, 20HP, 20HQ, 20HR, 20HS, 20HT, 20HU, 20HV, 20HW, 20HX, 20HY, 20HZ, 20IA, 20IB, 20IC, 20ID, 20IE, 20IF, 20IG, 20IH, 20II, 20IJ, 20IK, 20IL, 20IM, 20IN, 20IO, 20IP, 20IQ, 20IR, 20IS, 20IT, 20IU, 20IV, 20IW, 20IX, 20IY, 20IZ, 20JA, 20JB, 20JC, 20JD, 20JE, 20JF, 20JG, 20JH, 20JI, 20JJ, 20JK, 20JL, 20JM, 20JN, 20JO, 20JP, 20JQ, 20JR, 20JS, 20JT, 20JU, 20JV, 20JW, 20JX, 20JY, 20JZ, 20KA, 20KB, 20KC, 20KD, 20KE, 20KF, 20KG, 20KH, 20KI, 20KJ, 20KK, 20KL, 20KM, 20KN, 20KO, 20KP, 20KQ, 20KR, 20KS, 20KT, 20KU, 20KV, 20KW, 20KX, 20KY, 20KZ, 20LA, 20LB, 20LC, 20LD, 20LE, 20LF, 20LG, 20LH, 20LI, 20LJ, 20LK, 20LL, 20LM, 20LN, 20LO, 20LP, 20LQ, 20LR, 20LS, 20LT, 20LU, 20LV, 20LW, 20LX, 20LY, 20LZ, 20MA, 20MB, 20MC, 20MD, 20ME, 20MF, 20MG, 20MH, 20MI, 20MJ, 20MK, 20ML, 20MN, 20MO, 20MP, 20MQ, 20MR, 20MS, 20MT, 20MU, 20MV, 20MW, 20MX, 20MY, 20MZ, 20NA, 20NB, 20NC, 20ND, 20NE, 20NF, 20NG, 20NH, 20NI, 20NJ, 20NK, 20NL, 20NM, 20NO, 20NP, 20NQ, 20NR, 20NS, 20NT, 20NU, 20NV, 20NW, 20NX, 20NY, 20NZ, 20OA, 20OB, 20OC, 20OD, 20OE, 20OF, 20OG, 20OH, 20OI, 20OJ, 20OK, 20OL, 20OM, 20ON, 20OO, 20OP, 20OQ, 20OR, 20OS, 20OT, 20OU, 20OV, 20OW, 20OX, 20OY, 20OZ, 20PA, 20PB, 20PC, 20PD, 20PE, 20PF, 20PG, 20PH, 20PI, 20PJ, 20PK, 20PL, 20PM, 20PN, 20PO, 20PP, 20PQ, 20PR, 20PS, 20PT, 20PU, 20PV, 20PW, 20PX, 20PY, 20PZ, 20QA, 20QB, 20QC, 20QD, 20QE, 20QF, 20QG, 20QH, 20QI, 20QJ, 20QK, 20QL, 20QM, 20QN, 20QO, 20QP, 20QQ, 20QR, 20QS, 20QT, 20QU, 20QV, 20QW, 20QX, 20QY, 20QZ, 20RA, 20RB, 20RC, 20RD, 20RE, 20RF, 20RG, 20RH, 20RI, 20RJ, 20RK, 20RL, 20RM, 20RN, 20RO, 20RP, 20RQ, 20RR, 20RS, 20RT, 20RU, 20RV, 20RW, 20RX, 20RY, 20RZ, 20SA, 20SB, 20SC, 20SD, 20SE, 20SF, 20SG, 20SH, 20SI, 20SJ, 20SK, 20SL, 20SM, 20SN, 20SO, 20SP, 20SQ, 20SR, 20SS, 20ST, 20SU, 20SV, 20SW, 20SX, 20SY, 20SZ, 20TA, 20TB, 20TC, 20TD, 20TE, 20TF, 20TG, 20TH, 20TI, 20TJ, 20TK, 20TL, 20TM, 20TN, 20TO, 20TP, 20TQ, 20TR, 20TS, 20TT, 20TU, 20TV, 20TW, 20TX, 20TY, 20TZ, 20UA, 20UB, 20UC, 20UD, 20UE, 20UF, 20UG, 20UH, 20UI, 20UJ, 20UK, 20UL, 20UM, 20UN, 20UO, 20UP, 20UQ, 20UR, 20US, 20UT, 20UU, 20UV, 20UW, 20UX, 20UY, 20UZ, 20VA, 20VB, 20VC, 20VD, 20VE, 20VF, 20VG, 20VH, 20VI, 20VJ, 20VK, 20VL, 20VM, 20VN, 20VO, 20VP, 20VQ, 20VR, 20VS, 20VT, 20VU, 20VV, 20VW, 20VX, 20VY, 20VZ, 20WA, 20WB, 20WC, 20WD, 20WE, 20WF, 20WG, 20WH, 20WI, 20WJ, 20WK, 20WL, 20WM, 20WN, 20WO, 20WP, 20WQ, 20WR, 20WS, 20WT, 20WU, 20WV, 20WW, 20WX, 20WY, 20WZ, 20XA, 20XB, 20XC, 20XD, 20XE, 20XF, 20XG, 20XH, 20XI, 20XJ, 20XK, 20XL, 20XM, 20XN, 20XO, 20XP, 20XQ, 20XR, 20XS, 20XT, 20XU, 20XV, 20XW, 20XX, 20XY, 20XZ, 20YA, 20YB, 20YC, 20YD, 20YE, 20YF, 20YG, 20YH, 20YI, 20YJ, 20YK, 20YL, 20YM, 20YN, 20YO, 20YP, 20YQ, 20YR, 20YS, 20YT, 20YU, 20YV, 20YW, 20YX, 20YY, 20YZ, 20ZA, 20ZB, 20ZC, 20ZD, 20ZE, 20ZF, 20ZG, 20ZH, 20ZI, 20ZJ, 20ZK, 20ZL, 20ZM, 20ZN, 20ZO, 20ZP, 20ZQ, 20ZR, 20ZS, 20ZT, 20ZU, 20ZV, 20ZW, 20ZX, 20ZY, 20ZZ	
5- 11-11-92	Addition of: EGT-701 (sealed) approved aircraft having for 4 or 6 cylinder engines only. Deleted aircraft model Beech, all 80 series, Piper, PA-311, -311T, -311T2, -311T3. Sheets 1, 2, 3	
6- 11-09-95	Addition of: GENERAL AVIA Commercial Aircrafts F22B, F22C, F22D, F22E, F22F, F22G, F22H, F22I, F22J, F22K, F22L, F22M, F22N, F22O, F22P, F22Q, F22R, F22S, F22T, F22U, F22V, F22W, F22X, F22Y, F22Z, F22AA, F22AB, F22AC, F22AD, F22AE, F22AF, F22AG, F22AH, F22AI, F22AJ, F22AK, F22AL, F22AM, F22AN, F22AO, F22AP, F22AQ, F22AR, F22AS, F22AT, F22AU, F22AV, F22AW, F22AX, F22AY, F22AZ, F22BA, F22BB, F22BC, F22BD, F22BE, F22BF, F22BG, F22BH, F22BI, F22BJ, F22BK, F22BL, F22BM, F22BN, F22BO, F22BP, F22BQ, F22BR, F22BS, F22BT, F22BU, F22BV, F22BW, F22BX, F22BY, F22BZ, F22CA, F22CB, F22CC, F22CD, F22CE, F22CF, F22CG, F22CH, F22CI, F22CJ, F22CK, F22CL, F22CM, F22CN, F22CO, F22CP, F22CQ, F22CR, F22CS, F22CT, F22CU, F22CV, F22CW, F22CX, F22CY, F22CZ, F22DA, F22DB, F22DC, F22DD, F22DE, F22DF, F22DG, F22DH, F22DI, F22DJ, F22DK, F22DL, F22DM, F22DN, F22DO, F22DP, F22DQ, F22DR, F22DS, F22DT, F22DU, F22DV, F22DW, F22DX, F22DY, F22DZ, F22EA, F22EB, F22EC, F22ED, F22EE, F22EF, F22EG, F22EH, F22EI, F22EJ, F22EK, F22EL, F22EM, F22EN, F22EO, F22EP, F22EQ, F22ER, F22ES, F22ET, F22EU, F22EV, F22EW, F22EX, F22EY, F22EZ, F22FA, F22FB, F22FC, F22FD, F22FE, F22FF, F22FG, F22FH, F22FI, F22FJ, F22FK, F22FL, F22FM, F22FN, F22FO, F22FP, F22FQ, F22FR, F22FS, F22FT, F22FU, F22FV, F22FW, F22FX, F22FY, F22FZ, F22GA, F22GB, F22GC, F22GD, F22GE, F22GF, F22GG, F22GH, F22GI, F22GJ, F22GK, F22GL, F22GM, F22GN, F22GO, F22GP, F22GQ, F22GR, F22GS, F22GT, F22GU, F22GV, F22GW, F22GX, F22GY, F22GZ, F22HA, F22HB, F22HC, F22HD, F22HE, F22HF, F22HG, F22HH, F22HI, F22HJ, F22HK, F22HL, F22HM, F22HN, F22HO, F22HP, F22HQ, F22HR, F22HS, F22HT, F22HU, F22HV, F22HW, F22HX, F22HY, F22HZ, F22IA, F22IB, F22IC, F22ID, F22IE, F22IF, F22IG, F22IH, F22II, F22IJ, F22IK, F22IL, F22IM, F22IN, F22IO, F22IP, F22IQ, F22IR, F22IS, F22IT, F22IU, F22IV, F22IW, F22IX, F22IY, F22IZ, F22JA, F22JB, F22JC, F22JD, F22JE, F22JF, F22JG, F22JH, F22JI, F22JJ, F22JK, F22JL, F22JM, F22JN, F22JO, F22JP, F22JQ, F22JR, F22JS, F22JT, F22JU, F22JV, F22JW, F22JX, F22JY, F22JZ, F22KA, F22KB, F22KC, F22KD, F22KE, F22KF, F22KG, F22KH, F22KI, F22KJ, F22KL, F22KM, F22KN, F22KO, F22KP, F22KQ, F22KR, F22KS, F22KT, F22KU, F22KV, F22KW, F22KX, F22KY, F22KZ, F22LA, F22LB, F22LC, F22LD, F22LE, F22LF, F22LG, F22LH, F22LI, F22LJ, F22LK, F22LM, F22LN, F22LO, F22LP, F22LQ, F22LR, F22LS, F22LT, F22LU, F22LV, F22LW, F22LX, F22LY, F22LZ, F22MA, F22MB, F22MC, F22MD, F22ME, F22MF, F22MG, F22MH, F22MI, F22MJ, F22MK, F22ML, F22MN, F22MO, F22MP, F22MQ, F22MR, F22MS, F22MT, F22MU, F22MV, F22MW, F22MX, F22MY, F22MZ, F22NA, F22NB, F22NC, F22ND, F22NE, F22NF, F22NG, F22NH, F22NI, F22NJ, F22NK, F22NL, F22NM, F22NO, F22NP, F22NQ, F22NR, F22NS, F22NT, F22NU, F22NV, F22NW, F22NX, F22NY, F22NZ, F22OA, F22OB, F22OC, F22OD, F22OE, F22OF, F22OG, F22OH, F22OI, F22OJ, F22OK, F22OL, F22OM, F22ON, F22OO, F22OP, F22OQ, F22OR, F22OS, F22OT, F22OU, F22OV, F22OW, F22OX, F22OY, F22OZ, F22PA, F22PB, F22PC, F22PD, F22PE, F22PF, F22PG, F22PH, F22PI, F22PJ, F22PK, F22PL, F22PM, F22PN, F22PO, F22PP, F22PQ, F22PR, F22PS, F22PT, F22PU, F22PV, F22PW, F22PX, F22PY, F22PZ, F22QA, F22QB, F22QC, F22QD, F22QE, F22QF, F22QG, F22QH, F22QI, F22QJ, F22QK, F22QL, F22QM, F22QN, F22QO, F22QP, F22QQ, F22QR, F22QS, F22QT, F22QU, F22QV, F22QW, F22QX, F22QY, F22QZ, F22RA, F22RB, F22RC, F22RD, F22RE, F22RF, F22RG, F22RH, F22RI, F22RJ, F22RK, F22RL, F22RM, F22RN, F22RO, F22RP, F22RQ, F22RR, F22RS, F22RT, F22RU, F22RV, F22RW, F22RX, F22RY, F22RZ, F22SA, F22SB, F22SC, F22SD, F22SE, F22SF, F22SG, F22SH, F22SI, F22SJ, F22SK, F22SL, F22SM, F22SN, F22SO, F22SP, F22SQ, F22SR, F22SS, F22ST, F22SU, F22SV, F22SW, F22SX, F22SY, F22SZ, F22TA, F22TB, F22TC, F22TD, F22TE, F22TF, F22TG, F22TH, F22TI, F22TJ, F22TK, F22TL, F22TM, F22TN, F22TO, F22TP, F22TQ, F22TR, F22TS, F22TT, F22TU, F22TV, F22TW, F22TX, F22TY, F22TZ, F22UA, F22UB, F22UC, F22UD, F22UE, F22UF, F22UG, F22UH, F22UI, F22UJ, F22UK, F22UL, F22UM, F22UN, F22UO, F22UP, F22UQ, F22UR, F22US, F22UT, F22UU, F22UV, F22UW, F22UX, F22UY, F22UZ, F22VA, F22VB, F22VC, F22VD, F22VE, F22VF, F22VG, F22VH, F22VI, F22VJ, F22VK, F22VL, F22VM, F22VN, F22VO, F22VP, F22VQ, F22VR, F22VS, F22VT, F22VU, F22VV, F22VW, F22VX, F22VY, F22VZ, F22WA, F22WB, F22WC, F22WD, F22WE, F22WF, F22WG, F22WH, F22WI, F22WJ, F22WK, F22WL, F22WM, F22WN, F22WO, F22WP, F22WQ, F22WR, F22WS, F22WT, F22WU, F22WV, F22WW, F22WX, F22WY, F22WZ, F22XA, F22XB, F22XC, F22XD, F22XE, F22XF, F22XG, F22XH, F22XI, F22XJ, F22XK, F22XL, F22XM, F22XN, F22XO, F22XP, F22XQ, F22XR, F22XS, F22XT, F22XU, F22XV, F22XW, F22XX, F22XY, F22XZ, F22YA, F22YB, F22YC, F22YD, F22YE, F22YF, F22YG, F22YH, F22YI, F22YJ, F22YK, F22YL, F22YM, F22YN, F22YO, F22YP, F22YQ, F22YR, F22YS, F22YT, F22YU, F22YV, F22YW, F22YX, F22YY, F22YZ, F22ZA, F22ZB, F22ZC, F22ZD, F22ZE,	

26	Case 1	140	3442	(4), (4)
27	Case 1	139, 140, with 6-200 Conversion per STC-S454TEA 140A, with 0-200 Conversion per STC-S454TEA	A-768 A-542	(4), (4) (4), (4)
28	Case 1	150 A,B,C,D,E,F,G,H,J,K A150K, 150L, A150L, 150M, A150M, 152, A152	3419	(4), (4)
29	Case 1	170, 170A, 170B	A-799	(6), (6)
30	Case 1	172, 172A,B,C,D,E,F,G,H	3412	(6), (6)
31	Case 1	172 K,L,M,N,P,Q,R,S,T	3412	(4), (4)
32	Case 1	172RG, P172D	3417	(4), (4)
33	Case 1	R172F,G,H,J,K, 175, 175A,B,C	3417	(6), (6)
34	Case 1	177, 177A, 177B	A130E	(4), (4)
35	Case 1	177RG	A200E	(4), (4)
36	Case 1	180, 180A,B,C,D,E,F,G,H,J,K	545	(6), (6)
37	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
38	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
39	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
40	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
41	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
42	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
43	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
44	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
45	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
46	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
47	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
48	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
49	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
50	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)
51	Case 1	182, 182A,B,C,D,E,F,G,H,J,K, 182L,M,N,P,Q,R,S,T, R182, T182, T182T, 182TR, T182T	3413	(6), (6)

Aerobuice	UA-4-200 LAKE 250	14-13	(67), (B7)
52 Diamond Aircraft Ind	DA20-A1, DA20-C1	TA20H	(4), (A)
53 Diamond Aircraft Ind	DA40 HK36 HK39TC, 151TC, 170C-ECO	A170E	(4), (A)
54 De Havilland	DHC2 MK I DHC2 MK II DHC3 PAW Wasp R-1340	A-806	(9), (E)
55 EXTRA FLUGZEUGBAU	EA-300 EA-300S EA-300L EA-300/200	A-805	(9), (E)
56 EXTRA FLUGZEUGBAU	EA-400	A180E	(6), (B)
57 Eurocopter Helicopter	F-28, -28A, -28C, -28F, 280, 280QC, 280F	H10E	(47), (A)
58 GENERAL AVIA Construction Aeronautics	F22B, F22R, F22C F20	A18EU	(47), (A)
59 Grumman Grumman	AA-1, -1A, -1B, -1C AA-5, -5A, -5B, AG-49	A38EU A11EA A16EA	(67), (B) (4), (A)
60 Grumman	G21, G21A	654	(B), (E)
61 Gulfstream American	112, 112TC, 112B, 112TCX	A1250	(4), (A)
62 Gulfstream American	114, 114A, B, TC	A1280	(B), (B)
63 Gulfstream American American General Aircraft Holding Co.	GA-7	A1750	(47), (A)
64 Gulfstream	AA-5, AA-5A, AA-5B	A18EA	(4), (A)
65 Gulfstream American	500, 500-A, B, U, S, 520, 550, 560A, -E	641	(67), (B)
66 Gulfstream American	550F, 650, 650-E, F, 680F, 680F(P), 685	2A4	(67), (B7)
67 Helio (Helicopter Aircraft)	H-395, HT-395, H-395, H-391, H-391B, H-700	1A8	(67), (B7)
68 Hughes Helicopter	255A, 259A-1, 259B, 259C	4H2	(47), (A)
69 Jetstream Company	DGA-15P (Army UG-7C) Navy GH-1, GH-2, GH-3, NH-1	A-117	(7), (E)
70 Laveille	LC40-550CG	A20003SE	(67), (B)
71 Maule	M-5-180C, -200, -216TC M-5-180 MXT-2-180, A, B, MX-7-180, A, B, C	3A23	(47), (A)
72 Maule	Bee Dee M-4, M-4, -4C, -4S, -4T M-4-210, C, S, T, M-4-220C, S, T M-4-180C, S, T, M-4-220, M-5-210C, -220C, -225C, M-6-225 MX-7-235, A, B, C M-7-225, A, B, C, M-7-260, MT-7-260	2A23	(67), (B7)
73 Mooney	M20, M20A, B, C, D, E, F, G, J	2A3	(4), (A)
74 Mooney	M20K, L, M, R, S	2A3	(67), (B7)
75 Mooney	M20K Rocket 305 (Per STC SA 562) (NM)	A55W	(67), (B7)
76 Mooney	M20J Nitecat (Per STC SA 000738E)	2A3	(67), (B7)
77 Meyers PROP. ETS, INC.	200, 200A, B, C, D	3A16	(67), (B7)
78 North American	AT-6 (SHU-2), -7, -6A, B, C, D, E, F, T-69 NA-260 (USA-F-25A)	A-2-575	(5), (E)
		1A16	(5), (E)

Model designation system by part number for EGT-701

EGT-701-[]C-O[]-A[]-T[]-I[]-F-[]RM

RPM and MAP (4 and 6 cylinder engines only)
Fuel Flow function
Induction Air Temperature (IAT)
Turbine Inlet Temperature (TIT)
Outside Air Temperature (OAT)
Oil temperature (Oo)
Number of Cylinders (4, 6, 7, 8, & 9)
with EGT & CHT function

Model designation system by part number for EGT-100

EST-100- ()-611-011-411-711-411-

Induction Air Temperature (IAI)	
Turbine Inlet Temperature (TIT)	
Outside air temperature (OAT)	
Oil temperature (OI)	
Cylinder Head Temperature (CHT)	
Number of Cyl with EGT any/and CHT (4/6, 7/8, 8/9)	

Example: EGT-701 - (SCOAL RM) is indicated as such on the TSD label

$$\text{EQT-701-EC-0}[\Phi] \cdot A[\Phi] \cdot T[\] - I[\Phi] - F[\] - R_M[\Phi]$$

EGT 701 Model

- On Temperature Function
- CAT, Outside Air Function
- IAT, In-suction Air Function
- RPM & MAP function

FMA approved AF Supplement is required with the EGT-701. The EGT-701 is applicable to all EGT-100/200 series RPM and MAP applicable to the P101 EGT-701, 4 and 6 cylinder engines only.

Revision 13

ELIGIBLE PART NUMBERS for EGT-70N

Notes (1) author "T" designates himself, and the manuscript requires
Notes (2) author "T" designates himself.

[illegible]

ELIGIBLE PART NUMBERS for EGT-1004) and EGT-2001

Note (1) turbo T designator EGT-200 () series for British
Note (2) turbo " " denotes for turbocharged engine.

A	B	C	D	E	TT
4 cylinder	6 cylinder	7 cylinder	8 cylinder	9 cylinder	TT
EGT-100-1	EGT-100-1	EGT-100-1	EGT-100-1	EGT-100-1	
1	1	1	1	1	
2	2	2	2	2	
3	3	3	3	3	
4	4	4	4	4	
5	5	5	5	5	
6	6	6	6	6	
7	7	7	7	7	
8	8	8	8	8	
9	9	9	9	9	
10	10	10	10	10	
11	11	11	11	11	
12	12	12	12	12	
13	13	13	13	13	
14	14	14	14	14	
15	15	15	15	15	
16	16	16	16	16	
17	17	17	17	17	
18	18	18	18	18	
19	19	19	19	19	
20	20	20	20	20	
21	21	21	21	21	
22	22	22	22	22	
23	23	23	23	23	
24	24	24	24	24	
25	25	25	25	25	
26	26	26	26	26	
27	27	27	27	27	
28	28	28	28	28	
29	29	29	29	29	
30	30	30	30	30	
31	31	31	31	31	
32	32	32	32	32	
33	33	33	33	33	
34	34	34	34	34	
35	35	35	35	35	
36	36	36	36	36	
37	37	37	37	37	
38	38	38	38	38	
39	39	39	39	39	
40	40	40	40	40	
41	41	41	41	41	
42	42	42	42	42	
43	43	43	43	43	
44	44	44	44	44	
45	45	45	45	45	
46	46	46	46	46	
47	47	47	47	47	
48	48	48	48	48	
49	49	49	49	49	
50	50	50	50	50	
51	51	51	51	51	
52	52	52	52	52	
53	53	53	53	53	
54	54	54	54	54	
55	55	55	55	55	
56	56	56	56	56	
57	57	57	57	57	
58	58	58	58	58	
59	59	59	59	59	
60	60	60	60	60	
61	61	61	61	61	
62	62	62	62	62	
63	63	63	63	63	
64	64	64	64	64	
65	65	65	65	65	
66	66	66	66	66	
67	67	67	67	67	
68	68	68	68	68	
69	69	69	69	69	
70	70	70	70	70	
71	71	71	71	71	
72	72	72	72	72	
73	73	73	73	73	
74	74	74	74	74	
75	75	75	75	75	
76	76	76	76	76	
77	77	77	77	77	
78	78	78	78	78	
79	79	79	79	79	
80	80	80	80	80	
81	81	81	81	81	
82	82	82	82	82	
83	83	83	83	83	
84	84	84	84	84	
85	85	85	85	85	
86	86	86	86	86	
87	87	87	87	87	
88	88	88	88	88	
89	89	89	89	89	
90	90	90	90	90	
91	91	91	91	91	
92	92	92	92	92	
93	93	93	93	93	
94	94	94	94	94	
95	95	95	95	95	
96	96	96	96	96	
97	97	97	97	97	
98	98	98	98	98	
99	99	99	99	99	
100	100	100	100	100	

Cerna 210 (67)

except: • items in TT column

T = Hughes Pro 1000 with

- Includes III
- (hardcharged w/o one)

FDA approved AFM supplant is required with the EGT-701. The EGT-701 is applicable to all EGT-100/200 series RPM and MAP applicable to the PM EGT-701, 4 and 6 cylinder engines only.

Revision 13

MAKE AIRCRAFT MODEL T.O.D.S. (See P. 11 for Series) Part Number

3/20/03

Subject: Permission to use STC.

To Whom It May Concern:

J.P. Instruments holder of STC SA2586NM grants to the purchaser of the EDM-700 series (PN EGT-701) and the Classic Scanner (PN EGT-100) permission to use the STC.

Signed 



U.S. DEPARTMENT OF TRANSPORTATION
Federal Aviation Administration
LOS ANGELES AIRCRAFT CERTIFICATION OFFICE
3229 EAST SPRING STREET
LONG BEACH, CA 90806-2425

NOV 10 1992

J.P. Instruments
3402-J West MacArthur
Santa Ana, California 92704

Gentlemen:-

J.P. Instruments, Temperature Indicator;
Technical Standard Order C43b

Your application dated August 24, 1992, 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 articles have met the requirements of FAR Part 21, Subpart O, and the minimum performance standards of TSO C43b (Ref. FAR 21.305(b)), authorization is hereby granted for the following:

MODEL/PART NO.	DESCRIPTION
EGT-701 ()	Exhaust Gas Temperature Indicator

The technical data submitted with your letter, have been accepted as fulfilling the requirements for your TSO authorization and will be retained in our files.

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 at the above address, are considered adequate in accordance with FAR 21.143.

Effective this date, you are authorized to use TSO procedures for the subject temperature indicator. You may identify this article with the applicable TSO markings as required by TSO C43b.

As recipient of this TSO authorization, except as provided in FAR 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you or your contracted suppliers, and which you have determined has resulted or could result in any of the occurrences listed in FAR 21.3(c). The report should be communicated initially by telephone to the Manager, Technical and Administrative Support Staff.



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Cessna	Model 177
	Serial No. 17700512	Nationality and Registration Mark N3212T
2. Owner	Name (As shown on registration certificate) Charles H Mount Jr.	Address (As shown on registration certificate) 1621 Hampton Place Orange Park FL 32063-7284

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Bryan M Wood Southeast Aero Services Inc. 385 Hawkeye View Lane St Augustine FL 32095	B. Kind of Agency ☒ U.S. Certified Mechanic ☐ Foreign Certified Mechanic ☐ Certified Repair Station ☐ Manufacturer	C. Certificate No. 254396757
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☐ I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 2-23-07	Signature of Authorized Individual
-----------------	--

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	☒	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 2-23-07		Certificate or Designation No. 254396757	Signature of Authorized Individual 		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

B. Description of Work Accomplished

Installed JPI Instruments EGT-701 Graphic Engine Monitor STC# SA2586NM. In accordance with manufacturers install document# 103 Rev.C, STC, Approved Model List, Instructions for Continued Airworthiness and Weight & Balance Revision entered into Aircraft Permanent Records.

-----END-----