



U.S. Department
of Transportation

**Federal Aviation
Administration**
APR 19 2018

Aircraft Certification Service
Compliance & Airworthiness Division

Seattle ACO Branch
2200 S. 216th Street
Des Moines, WA 98198

In Reply
Refer To: 784-18-3737

Mr. Scott Philiben
CiES, Inc.
1375 SE Wilson Ave, Suite 150
Bend, OR 97702

Dear Mr. Philiben:

We have completed our evaluation of your request for amendment to your Approved Model List (AML) SA02511SE, to add several aircraft models and Garmin G2000 instrument combination, per your application, dated March 15, 2018. We find that you have satisfactorily demonstrated compliance with the applicable certification regulations. Accordingly, we have enclosed AML SA02511SE, dated April 19, 2018.

In addition to the requested AML amendment, you have revised the Master Drawing List (MDL) to change existing approved part numbers and add several new part numbers. You have also revised the installation manual for language clarification and additional figures for aircraft interface. These changes are also approved.

Since I am very much interested in the service we provide to the aviation community and the general public, it would be helpful if you would provide your thoughts and comments regarding how the approval process went. To gather this information, we have provided this letter and its enclosures electronically and also attached a short survey that I hope you will fill out and return via e-mail as indicated on the survey. Please make the subject line of the return e-mail read "Survey" to ensure proper receipt. You may rest assured that your comments will receive my full attention and that I will hold your comments in strict confidence, should you request I do so. Please note that this stakeholder survey is common to all Aircraft Certification offices within the FAA's Aircraft Certification Service and is aimed at enabling the Aircraft Certification Service to deliver the best services to each of our stakeholders.

Sincerely,

Ross Landes
Manager, Seattle ACO Branch
Compliance & Airworthiness Division
Aircraft Certification Service

Enclosure

FEDERAL AVIATION ADMINISTRATION (FAA) APPROVED MODEL LIST (AML) SA02511SE
FOR

CIES INC. CC284022 SERIES TSO C55a FUEL QUANTITY SENDERS

ISSUE DATE: March 14, 2017

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TC NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION REQUIREMENTS & INSTRUCTIONS FOR CONTINUED AIRWORTHINESS		STC MASTER DRAWING LIST		CIES SENDER PART NUMBERS APPROVED FOR INSTALLATION	APPROVED SENDER AND INSTRUMENT COMBINATIONS	AML REV DATE
					Number	Revision*	Number	Revision**			
1.	Textron Aviation Inc. (formerly Cessna)	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S	3A12	CAR 3, 14 CFR 23	CC-TR-2840-031	N/C	CC2840 00 03	A	CC284022 0603-XXXX CC284022 0605-XXXX CC284022 0609-XXXX CC284022 0616-XXXX CC284022 0617-XXXX CC284022 0624-XXXX	1-25	04/19/18
2.	Textron Aviation Inc. (formerly Cessna)	182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 182S, 182T, R182, T182, T182T, TR182	3A13	CAR 3, 14 CFR 23	CC-TR-2840-031	N/C	CC2840 00 03	A	CC284022 0602-XXXX CC284022 0606-XXXX CC284022 0607-XXXX	1-25	04/19/18
3.	Textron Aviation Inc. (formerly Cessna)	175, 175A, 175B, 175C, P172D, R172E, R172F, R172G, R172H, R172J, R172K, 172RG	3A17	CAR 3, 14 CFR 23	CC-TR-2840-031	N/C	CC2840 00 03	A	CC284022 0603-XXXX CC284022 0616-XXXX CC284022 0617-XXXX CC284022 0620-XXXX CC284022 0624-XXXX	1-19,21-25	04/19/18
4.	Textron Aviation Inc. (formerly Cessna)	210, 210A, 210B, 210C, 210D, 210E, 210F, 210G, 210H, 210J, 210K, 210L, 210M, 210N, 210R, T210F, T210G, T210H, T210J, T210K, T210L, T210M, T210N, T210R, 210-5 (205), 210-5A (205A), P210N, P210R	3A21	CAR 3, 14 CFR 23	CC-TR-2840-031	N/C	CC2840 00 03	A	CC284022 0601-XXXX CC284022 0602-XXXX (Strut) CC284022 0608-XXXX (Tip)	1-19,21-25	04/19/18
5.	Textron Aviation Inc. (formerly Cessna)	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F	3A24	CAR 3, 14 CFR 23	CC-TR-2840-031	N/C	CC2840 00 03	A	CC284022 0602-XXXX CC284022 0608-XXXX (Tip)	1-19,21-25	04/19/18

FEDERAL AVIATION ADMINISTRATION (FAA) APPROVED MODEL LIST (AML) SA02511ISE
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CIES INC. CC284022 SERIES TSO C55a FUEL QUANTITY SENDERS

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6.	Textron Aviation Inc. (formerly Cessna)	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180I, 180K	5A6	CAR 3, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0602-XXXX CC284022 0608-XXXX (Tip)	1-19,21-25	04/19/18
7.	Textron Aviation Inc. (formerly Cessna)	177, 177A, 177B	A13CE	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0601-XXXX	1-19,21-25	04/19/18
8.	Textron Aviation Inc. (formerly Cessna)	207, 207A, T207, T207A	A16CE	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0602-XXXX CC284022 0608-XXXX (Tip)	1-19,21-25	04/19/18
9.	Textron Aviation Inc. (formerly Cessna)	177RG	A20CE	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0601-XXXX	1-19,21-25	04/19/18
10.	Cessna Aircraft Company	Cessna F177RG	A26EU	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0601-XXXX	1-19,21-25	04/19/18
11.	Cessna Aircraft Company	Cessna F182P, Cessna F182Q, Cessna FR182	A42EU	CAR 3, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0602-XXXX CC284022 0608-XXXX (Tip)	1-19,21-25	04/19/18
12.	Textron Aviation Inc. (formerly Cessna)	206, P206, P206A, P206B, P206C, P206D, P206E, U206, U206A, U206B, U206C, U206E, U206D, U206F, U206G, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, 206H, T206H	A4CE	CAR 3, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0602-XXXX CC284022 0604-XXXX CC284022 0606-XXXX CC284022 0607-XXXX CC284022 0608-XXXX (Tip) CC284022 0611-XXXX CC284022 0612-XXXX	1-25	04/19/18

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13.	Cessna Aircraft Company	Cessna F172D, Cessna F172E, Cessna F172F, Cessna F172G, Cessna F172H, Cessna F172K, Cessna F172L, Cessna F172M	A4EU	CAR 3, CAR 10, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0603-XXX CC284022 0616-XXX CC284022 0617-XXX CC284022 0624-XXX	1-25	04/1918
14.	Textron Aviation Inc. (formerly Cessna)	170, 170A, 170B	A-799	CAR 3	CC-TR-2840-031	CC2840 00 03	CC284022 0603-XXX CC284022 0616-XXX CC284022 0617-XXX	1-19,21-25	04/1918
15.	Textron Aviation Inc. (formerly Cessna)	150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, 150L, 150M, A150 A150K, A150L, A150M, 152, A152	3A19	CAR 3, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0616-XXX CC284022 0617-XXX CC284022 0624-XXX	1-19,21-25	04/1918
16.	Cirrus Design Corp.	SR20, SR22, SR22T	A00009CH	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0001-XXX CC284022 0002-XXX CC284022 0004-XXX CC284022 0005-XXX CC284022 0006-XXX CC284022 0007-XXX CC284022 0008-XXX CC284099 0001 (Installation) CC284099 0002 (Installation) CC284099 0003 (Installation) CC284099 0004 (Installation)	1-25	04/1918
17.	Cirrus Design Corp.	SR22, SR22T (w/TKS Sender)	A00009CH	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0003-XXX	1-25	04/1918

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18.	Textron Aviation Inc. (formerly Beechcraft)	35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, H35, G36, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, A36TC, B36TC	3A15	CAR 3, 14 CFR 23	CC-TR-2840-031 N/C	CC2840 00 03 A	CC284022 2201-XXXX CC284022 2202-XXXX CC284022 2203-XXXX CC284022 2215-XXXX CC284022 2216-XXXX CC284022 2217-XXXX CC284022 2218-XXXX CC284022 2219-XXXX (Tip)	1-19,21-25	04/19/18
19.	Textron Aviation Inc. (formerly Beechcraft)	B95A, D95A, E95, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B (T-42), 95-C55, 95-C55A, G58, D55, D55A, E55, E55A, 56TC, A56TC, 58, 58A, 95, B95	3A16	CAR 3, 14 CFR 23	CC-TR-2840-031 N/C	CC2840 00 03 A	CC284022 2204-XXXX CC284022 2205-XXXX CC284022 2206-XXXX CC284022 2207-XXXX CC284022 2208-XXXX CC284022 2209-XXXX CC284022 2210-XXXX CC284022 2211-XXXX CC284022 2212-XXXX CC284022 2213-XXXX CC284022 2214-XXXX CC284022 2219-XXXX (Tip) CC284022 2225-XXXX CC284022 2226-XXXX CC284022 2227-XXXX	1-19,21-25	04/19/18
20.	Beechcraft Corporation	58P, 58PA, 58TC, 58TCA	A23CE	14 CFR 23	CC-TR-2840-031 N/C	CC2840 00 03 A	CC284022 2204-XXXX CC284022 2205-XXXX CC284022 2206-XXXX CC284022 2207-XXXX CC284022 2208-XXXX	1-19,21-25	04/19/18

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21.	Maule Aerospace Technology, Inc.	Bee Dee M-4, M-4, M-4C, M-4S, M-4T, M-4-180C, M-4-180S, M-4-180T, 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-5-200, M-5-210C, M-5-210TC, M-5-220C, M-5-235C, M-6-180, M-6-235, M-7-235, MX-7-235, MX-7-180, MX-7-180, MT-7-235, M-8-235, MX-7-160, MX-7-160A, MX-7-180A, MX-7-180B, M-7-235B, M-7-235A, M-7-235C, MX-7-180C, M-7-260, MT-7-260, M-7-260C, MX-7-160C, MX-7-180AC, M-9-235	3A23	CAR 3, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	A	CC284022 2401-XXXX	1-19,21-25	04/19/18
22.	Mooney Intl. Corp.	M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20L, M20M, M20R, M20S, M20TN	2A3	CAR 3, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0701-XXXX CC284022 0702-XXXX CC284022 0705-XXXX CC284022 0706-XXXX CC284022 0707-XXXX CC284022 0708-XXXX CC284022 0709-XXXX	1-19,21-25	04/19/18	
23.	Pilatus Aircraft Ltd.	PC-6	7A15	CAR 10, CAR 3	CC-TR-2840-031	CC2840 00 03	CC284022 2301-XXXX	1-19,21-25	04/19/18	

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24.	Piper Aircraft, Inc.	PA-23, PA-23-160, PA-23-235, PA-23-250, PA-23-250 (Navy U0-1), PA-E23-250	1A10	CAR 3	CC-TR-2840-031 N/C	CC2840 00 03 N/C	CC284022 0808-XXXX CC284022 0809-XXXX	1-19,21-25	04/19/18
25.	Piper Aircraft, Inc.	PA-22, PA-22-108, PA-22-135, PA-22S-135, PA-22-150, PA-22S-150, PA-22-160, PA-22S-160,	1A6	CAR 3	CC-TR-2840-031 N/C	CC2840 00 03 N/C	CC284022 0816-XXXX	1-19,21-25	04/19/18
26.	Piper Aircraft, Inc.	PA-24, PA-24-250, PA-24-260, PA-24-400	1A15	CAR 3	CC-TR-2840-031 N/C	CC2840 00 03 N/C	CC284022 0812-XXXX CC284022 0813-XXXX	1-19,21-25	04/19/18
27.	Lavia Argentina S.A. (Piper)	PA-25	2A10	CAR 8	CC-TR-2840-031 N/C	CC2840 00 03 N/C	CC284022 0817-XXXX	1-19,21-25	04/19/18
28.	Piper Aircraft, Inc.	PA-28-140, PA-28-150, PA-28-160, PA-28-180, PA-28-235, PA-28S-160, PA-28S-180, PA-28R-180, PA-28R-200, PA-28-151, PA-28-161, PA-28-181, PA-28R-201, PA-28R-201T, PA-28-236, PA-28RT-201, PA-28RT-201T, PA-28-201T	2A13	CAR 3, 14 CFR 23	CC-TR-2840-031 N/C	CC2840 00 03 N/C	CC284022 0810-XXXX CC284022 0811-XXXX	1-19,21-25	04/19/18

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29.	Piper Aircraft, Inc.	PA-30, PA-39, PA-40	AIEA	CAR 3, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0812-XXXX CC284022 0813-XXXX	1-19,21+25	04/19/18
30.	Piper Aircraft, Inc.	PA-31, PA-31-300, PA-31-325, PA-31-350,	A20SO	CAR 3, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0804-XXXX CC284022 0805-XXXX CC284022 0806-XXXX CC284022 0807-XXXX	1-19,21+25	04/19/18
31.	Piper Aircraft, Inc.	PA-32-301XTC, PA-32-301FT, PA-32S-300, PA-32- 260, PA-32-300, PA- 32R-300, PA-32RT-300, PA-32RT-300T, PA-32R-301(SP), PA-32R-301(HP), PA-32R-301T, PA-32-301, PA-32-301T	A3SO	CAR 3, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0810-XXXX CC284022 0811-XXXX	1-19,21+25	04/19/18
32.	Piper Aircraft, Inc.	PA-34-200, PA-34- 200T, PA-34-220T	A7SO	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0810-XXXX CC284022 0811-XXXX	1-19,21+25	04/19/18
33.	Piper Aircraft, Inc.	PA-44-180, PA-44- 180T	A19SO	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0814-XXXX CC284022 0815-XXXX	1-19,21+25	04/19/18
34.	Vulcanair S.p.A	P.68, P.68 "Observer 2", P.68B, P.68C, P.68 "Observer", P.68TC "Observer", P.68C-TC	A3IEU	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0401-XXXX	1-19,21+25	04/19/18
35.	Fairchild Personal Planes GA 8 Airvan (Pty) Ltd (formerly Gippsland)	24 C8C, 24 C8CS	A-535	Aero Bulletin 7-A	CC-TR-2840-031	CC2840 00 03	CC284022 2101-XXXX	1-19,21+25	04/19/18
36.	GA 8 Airvan (Pty) Ltd (formerly Gippsland)	GA8, GA8-TC320	A00011LA	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 0301-XXXX CC284022 0302-XXXX	1-19,21+25	04/19/18
37.	B-N Group Ltd.	BN2A MK III, BN2A MK III-2, BN2A MK III-3	A29EU	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 2001-XXXX CC284022 2002-XXXX CC284022 2003-XXXX CC284022 2004-XXXX	1-19,21+25	04/19/18

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38.	American Champion Aircraft Corp.	8KCAB, 8GCBC	A21CE	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 2501-XXXX	1-19,21-25	04/19/18
39.	American Champion Aircraft Corp.	7ECA, 7GCAA, 7KCAB, 7GCBC	A-759	CAR 4a, 14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 2501-XXXX	1-19,21-25	04/19/18
40.	Beechcraft Corp.	45 (T-34), A45 (T-34A, B-45), D45 (T-34B)	5A3	CAR 3	CC-TR-2840-031	CC2840 00 03	CC284022 2203-XXXX	1-19,21-25	04/19/18
41.	Textron Aviation Inc. (formerly Beechcraft)	35, A35, B35, C35, D35, E35, F35, G35, 35R	A-777	CAR 3	CC-TR-2840-031	CC2840 00 03	CC284022 2201-XXXX CC284022 2202-XXXX CC284022 2203-XXXX CC284022 2215-XXXX CC284022 2216-XXXX CC284022 2217-XXXX CC284022 2218-XXXX CC284022 2219-XXXX (Tip) CC284022 2230-XXXX (Tip)	1-19,21-25	04/19/18
42.	B-N Group Ltd.	BN-2, BN-2A, BN-2A-6, BN-2A-8, BN-2A-2, BN-2A-9, BN-2A-3, BN-2A-20 BN-2T-4R, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN-2T	A17EU	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 2001-XXXX CC284022 2002-XXXX CC284022 2003-XXXX CC284022 2004-XXXX	1-19,21-25	04/19/18
43.	True Flight Holdings LLC	AA-5, AA-5A, AA-5B, AG-5B	A16EA	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC284022 3708-XXXX CC284022 3708-XXXX	1-19,21-25	04/19/18
44.	Piper	PA-46-310P, PA-46-350P, PA-46R-350T	A25SO	14 CFR 23	CC-TR-2840-031	CC2840 00 03	CC2840 0818-XXXX CC2840990801 (INSTALLATION) CC2840990802 (INSTALLATION)	1-19,21-25	04/19/18

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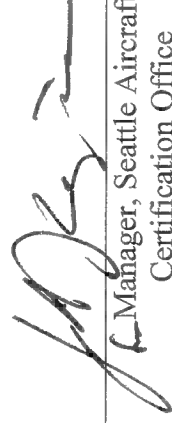
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45.	Textron Aviation Inc.	LC40-550FG, LC41-550FG, LC42-550FG, T240	A00003SE	14 CFR 23	CC-TR-2840-031 N/C	CC2840 00 03 A	CC2840220618-XXX CC2840220619-XXX CC2840570618 (FEED THRU INSTALL.)	1-19, 21-25	04/19/18
46.	Textron Aviation Inc.	337, 337E, 337A (USAF 02B), T337E, 337B 337F, M337B (USAF 02A), T337F, T337B 337G, 337C, T337G T337C, 337D, T337D 337H, P337H, T337H T337H-SF	A6CE	CAR 3, 14 CFR 23	CC-TR-2840-031 N/C	CC2840 00 03 A	CC2840220621-XXX CC2840450601-103 (BRACKET)	1-19, 21-25	04/19/18
47.	Textron Aviation Inc.	190 (LC-126A,B,C) 195 195A 195B	A-790	CAR 3	CC-TR-2840-031 N/C	CC2840 00 03 A	CC2840220622-XXX CC2840450601-101 (BRACKET)	1-19, 21-25	04/19/18
48.	SOCATA	TB 9, TB 10, TB 20, TB 21, TB 200	A51EU	14 CFR 23	CC-TR-2840-031 N/C	CC2840 00 03 A	CC2840223801-XXX	1-19, 21-25	04/19/18
49.	Commander Aircraft Corp.	112, 112TC, 112B 112TCA, 114, 114A 114B, 114TC	A12SO	14 CFR 23	CC-TR-2840-031 N/C	CC2840 00 03 A	CC2840222501-XXX	1-19, 21-25	04/19/18

* Or later FAA Accepted ICA and FAA Approved Airworthiness Limitations Revision

** Or later FAA Approved Revision

Note: CiES part numbering system for STC AML is CC284022 - (ZZ ZZ) - (XX Y), where (ZZ ZZ) designates the Aircraft manufacturer, Aircraft Model, and Physical Location, (XX) designates Minor change designation, and (Y) designates sender Output Signal Type.

FAA Approved:



J. Manager, Seattle Aircraft
Certification Office

AMENDED: April 19, 2018

REISSUED:

**FEDERAL AVIATION ADMINISTRATION (FAA) APPROVED MODEL LIST (AML) SA02511ISE
FOR**

CIES INC. CC284022 SERIES TSO C55a FUEL QUANTITY SENDERS

ISSUE DATE: March 14, 2017

Item	Cockpit Display Manufacturer	Cockpit Display Model	Data Converter (LRU ¹)	Fuel Sender Output Capability	Instrument Input Capability
1	JP Instruments	EDM 900	N/A	Voltage 0-5 VDC	0-4.7 VDC
2	JP Instruments	EDM 930	N/A	Voltage 0-5 VDC	0-4.7 VDC
3	JP Instruments	EDM 900	N/A	Digital Frequency 64Hz-10kHz	0-100 kHz
4	JP Instruments	EDM 930	N/A	Digital Frequency 64Hz-10kHz	0-100 kHz
5	Electronics International	MVP-50	EDC-33P	Voltage 0-5 VDC	0-18 VDC
6	Electronics International	CGR-30P	EDC-33P	Voltage 0-5 VDC	0-18 VDC
7	Electronics International	MVP-50	EDC-33P	Digital Frequency 64Hz-10kHz	0-6 kHz
8	Electronics International	CGR-30P	EDC-33P	Digital Frequency 64Hz-10kHz	0-6 kHz
9	Ultra FEI	Auracle CRM2120	N/A	Voltage 0-5 VDC	0-5 VDC
10	Aerospace Logic	FL25X	N/A	Voltage 0-5 VDC	0-5 VDC
11	Aerospace Logic	FL20XD	N/A	Digital Frequency 64Hz-10kHz	10-300 Hz
12	Aerospace Logic	FL21X	N/A	Voltage 0-1 VDC	0-1 VDC
13	Aerospace Logic	FL20X	N/A	Voltage 0-1 VDC	0-1 VDC
14	Garmin	G1000	GEA 71	Voltage 0-5 VDC	0-5 VDC
15	Garmin	G950	GEA 71	Voltage 0-5 VDC	0-5 VDC
16	Garmin	G1000	GEA 71	Voltage 0-1 VDC	0-1 VDC
17	Garmin	G950	GEA 71	Voltage 0-1 VDC	0-1 VDC
18	Garmin	G1000	GEA 71	Digital Frequency 64Hz-10kHz	0-100 kHz
19	Garmin	G950	GEA 71	Digital Frequency 64Hz-10kHz	0-100 kHz
20	Rochester Gauges	FQ-40XX Series	N/A	Voltage 0-1 VDC	0-1 VDC
21	JP Instruments	EDM 960	EDM 950	Voltage 0-5 VDC	0-4.7 VDC
22	JP Instruments	EDM 960	EDM 950	Digital Frequency 64Hz-10kHz	0-100 kHz
23	Garmin	G500/G600 Txi	GEA 110	Voltage 0-5 VDC	0-5 VDC
24	Garmin	G500/G600 Txi	GEA 110	Digital Frequency 64Hz-10kHz	0-30,000 Hz
25	Garmin	G2000	GEA 71	Voltage 0-1 VDC	0-1 VDC

¹LRU – line replaceable unit receives or converts the fuel sender output signal to provide the input signal to the cockpit display instrument.