

**uAvionix Corporation  
300 Pine Needle Lane  
Bigfork, MT 59911 U.S.A.**

**FAA-APPROVED  
AIRPLANE FLIGHT MANUAL SUPPLEMENT  
for the  
uAvionix AV-30-C  
as installed on Piper PA-34-220T**

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**Airplane Make and Model**

**Registration Number:** \_\_\_\_\_  
**Serial Number:** \_\_\_\_\_

This supplement must be attached to the FAA-approved Airplane Flight Manual when the AV-30-C is installed in accordance with a follow on field approval to STC SA00410BO

The information contained herein supplements the basic manual only in those areas listed. For limitations, procedures, performance and loading information not contained in this supplement, consult the FAA-approved Airplane Flight Manual, markings, or placards.

FAA Approved By: David S. Shanahan **DAVID S SHANAHAN**  
Digitally signed by DAVID S SHANAHAN  
Date: 2021.04.29 03:22:52 -0400

Allegheny FSDO EA03  
101 Towne Square Way  
Suite 201  
Brentwood, Pennsylvania 15102

Date: 04/29/2021



US Department of Transportation  
Federal Aviation Administration

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

OMB No. 2120-0020  
Exp: 01/31/2023

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark [REDACTED]	Serial No. 34-8233121
	Make <b>Piper</b>	Model <b>PA34-220T</b> Series <b>Seneca</b>
2. Owner	Name (As shown on registration certificate) [REDACTED]	Address (As shown on registration certificate) Address [REDACTED]
		City [REDACTED]      State [REDACTED]
		Zip [REDACTED]      Country [REDACTED]

**3. For FAA Use Only**

The technical data identified herein has been found to comply with the applicable airworthiness requirements and is here by approved for use only on the above described aircraft subject to a conformity inspection by a person authorized in FAR §43.7

Approving Inspector: **DAVID S SHANAHAN**

Digitally signed by DAVID S SHANAHAN  
Date: 2021.04.29 03:49:21 -04'00'

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	Piper	(As described in Item 1 above)	34-8233121
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

**6. Conformity Statement**

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No. <b>[REDACTED]</b>
Name	John Norge	<input checked="" type="checkbox"/>	U. S. Certificated Mechanic	
Address	[REDACTED]	<input type="checkbox"/>	Foreign Certificated Mechanic	
City	[REDACTED]      State [REDACTED]	<input type="checkbox"/>	Certificated Repair Station	
Zip	[REDACTED]      Country [REDACTED]	<input type="checkbox"/>	Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual
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**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  Approved  Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. [REDACTED]	Signature/Date of Authorized Individual
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**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**

*(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

\_\_\_\_\_  
Nationality and Registration Mark      4/20/2021      Date

Completed installation of UAvionics AV-30-C Multi-Mode Indicator as a follow on to Supplemental Type Certificate Number SA00410BO. The AV-30-C was installed in place of the primary turn coordinator and standby attitude indicator and functions as both. The installation was completed in accordance with UAvionics AV-30-C Installation Manual document UAV-1003947-001 Rev. C. Electronic load analysis completed and found the maximum load draw is 1 Amp, which is less than the equipment removed. A 2 amp circuit breaker was installed per instruction manual. Weight and balance and equipment list was revised to reflect changes. Completed GPS interface from the previously installed Garmin GTN-750 using RS-232 serial input in accordance with AV-30-C installation instructions section 8.2.5. Transponder/ altimeter / encoder /and static system tests required by 14 CFR Parts 91.411 and 91.413 were completed. The installed AV-30 is interfaced to the Garmin GTN-750, the aircraft main power source and the existing pitot and static system. There are no other systems that the AV-30 is interfaced to. Instructions for Continued Airworthiness will be in compliance with UAvionics AV-30-C Instructions for Continued Airworthiness document UAV-1004045-001 Rev. A dated 4/24/2020. Completed all system checks in accordance with section 10 of installation manual. Completed compass swing and installed new compass deviation card. All work previously described was entered into the aircraft's permanent records. Attached flight manual supplement document UAV-1004044-001 Rev. C to the aircraft flight manual.

Additional Sheets Are Attached