



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Southwest Region  
Arkansas, Louisiana,  
New Mexico, Oklahoma,  
Texas

Manufacturing Inspection District Office  
10101 Hillwood Parkway, SW MIDO-42  
Fort Worth, Texas 76177-1524

February 28, 2017

Mr. Prewitt  
Instrument Tech Corp.  
5999 Summerside Drive Suite 116  
Dallas, Texas 75252

FEDERAL AVIATION ADMINISTRATION (FAA) - PARTS MANUFACTURER APPROVAL

Dear Mr. Prewitt:

In accordance with Title 14, Code of Federal Regulations (14 CFR) part 21, Certification Procedures for Products, Articles and Parts, subpart K, the FAA has found that the design data, as submitted by Instrument Tech Corp, (hereinafter referred to as "the Manufacturer") on February 8, 2017, meet the airworthiness requirements of 14 CFR applicable to the product(s) on which the article(s) (is/are) to be installed. Additionally, the FAA has determined that the Manufacturer has established the quality system required by § 21.307 at 5999 Summerside Drive Suite 116, Dallas, Texas 75252. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted to the Manufacturer to produce the replacement articles (or modification articles, as applicable) listed in the enclosed supplement(s) in conformity with the FAA approved design data. Subsequent changes to these design data must be approved in a manner acceptable to the FAA. Previously issued PMA Supplements 1-3 issued to Instrument Tech at 15060 Beltwood Parkway East, Addison, Texas, 75001 are hereinafter part of this approval to be manufactured at 5999 Summerside Drive Suite 116, Dallas, Texas 75252.

The following terms and conditions apply to this approval:

1. The Manufacturer's quality system, methods, procedures and manufacturing facilities, including suppliers, are subject to FAA surveillance and investigations. Accordingly, the Manufacturer must advise its suppliers that their facilities are also subject to FAA surveillance and investigations.
2. The Manufacturer must obtain approval from the Fort Worth Manufacturing Inspection District Office (MIDO) prior to relocating or expanding manufacturing facilities where articles are produced. This includes the addition of associate facilities. Additionally, this requirement applies to the Manufacturer's suppliers with major inspection authorization and those suppliers who furnish articles or related services, where a determination of safety and conformance to the approved design cannot or will not be made upon receipt, at the approved receiving facility.

3. Upon request, the Manufacturer must make available to the FAA any pertinent information concerning their suppliers who furnish parts/services. This includes:

- a. A description of the part or service;
- b. Where and by whom the part or service will undergo inspection;
- c. Any delegation of inspection duties;
- d. Any delegation of materials review authority;
- e. The name and title of the FAA contact at the supplier facility;
- f. The inspection procedures required to be implemented;
- g. Any direct-shipment authority;
- h. Results of the Manufacturer's evaluation, audit and/or surveillance of their suppliers;
- i. The purchase/work order number (or equivalent); and
- j. Any feedback relative to service difficulties originating at the Manufacturer's suppliers.

4. Parts, appliances or manufacturing services furnished by any suppliers located in a foreign country may not be used in the production of any article or appliance listed in the enclosed supplement unless:

a. That part or service can and will be completely inspected for conformity at the Manufacturer's U.S. facility; or

b. The FAA has determined that the location of the foreign supplier facility places no undue burden on the FAA in administering applicable airworthiness requirements. The Manufacturer must advise the FAA at least ten working days in advance when the use of such foreign suppliers is contemplated. This will allow the FAA time to make this determination.

5. Articles produced under the terms of this approval must be permanently marked with the identification information as required by 14 CFR part 45, Identification and Registration Marking. Use the letters "FAA-PMA," the name, trademark or symbol of the company and the part number. If the FAA finds the article is too small or impractical to mark, the manufacturer must attach the information required by § 45.15 to the article or the container.

6. This approval is not transferable and it may be withdrawn for any reason that precludes its issuance or whenever the FAA finds that the quality system is not being maintained. A withdrawal may occur if unsafe or nonconforming articles are accepted under the quality system.

7. The Fort Worth MIDO must approve any changes to the address shown in this approval.

8. The Manufacturer must maintain its quality system in continuous compliance with the requirements of § 21.307. The Manufacturer must also ensure that each article conforms to the approved design data and is safe for installation on type-certificated products.

9. A PMA holder has the privileges specified within the PMA letter and supplement. In addition, a PMA holder is eligible for the appointment of qualified individuals in its employ to represent the FAA as Designated Manufacturing Inspection Representatives (DMIRs), in accordance with the provisions of 14 CFR part 183. The DMIR may issue export airworthiness approvals for articles. The PMA holder may also be authorized to apply for and obtain an Organization Designation Authorization (ODA). Orders 8000.95 and 8100.15 contain procedures for the administration of DMIRs and ODAs, respectively.

10. The Manufacturer must report, in a timely manner to the Fort Worth MIDO, the information concerning service difficulties on any article produced under this approval. The Manufacturer also must report any failures, malfunctions, and defects that are required to be reported in accordance with § 21.3.

11. All technical data required by § 21.303(a)(3), for the articles to be produced in accordance with this approval, must be readily available to the FAA at the facility where the articles are being produced.

12. The Manufacturer must notify the Fort Worth MIDO immediately, in writing, of any changes to the quality system that may affect the inspection, conformity or airworthiness of the articles approved in this letter.

13. The Manufacturer must produce all articles in accordance with Instrument Tech Corp, Manufacturing Quality Manual, Revision 5, February 20, 2017, that has been presented as evidence of compliance with § 21.307. Accordingly, any revisions to the data must be submitted to the Fort Worth MIDO for approval prior to implementation.

Sincerely,



Carlton N. Cochran  
Manager, Fort Worth Manufacturing Inspection  
District Office

1 Enclosure  
Parts Manufacturer Approval Listing  
Supplement No.4



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Instrument Tech Corp.  
5999 Summerside Dr. Suite 116  
Dallas, TX 75252

PMA NO:                     PQ1021SW  
SUPPLEMENT NO:                     4  
DATE:                     February 28, 2017

<b>Article Name</b>	<b>Article Number</b>	<b>Approved Replacement For Article Number</b>	<b>Approval Basis and Approved Design Data</b>	<b>Make/TCH Eligibility</b>	<b>Model/Series Eligibility</b>
Fuel Level Sender	9812-0023-101	PS10013-5 550-503 7740-00040	Test and Computation per 14CFR 21.303 Dwg No: 9812-0023 Rev: B Date: 10/17/2016 or later FAA Approved Revision	Piper Aircraft Corp.	PA-28R PA-200T PA-28R-201 PA-28R-201T PA-34 PA-34-200T PA-34-220T
Fuel Level Sender	9812-0024-101	PS10013-6 550-504 7740-00041	Test and Computation per 14CFR 21.303 Dwg No: 9812-0024 Rev: B Date: 10/17/2016 or later FAA Approved Revision	Piper Aircraft Corp.	PA-28R PA-28R-201 PA-28RT PA-28RT-201 PA-28RT-201T PA-34 PA-34-200
Fuel Level Sender	9812-0025-101	PAC86688-002 548-218 7740-00164	Test and Computation per 14CFR 21.303 Dwg No: 9812-0025 Rev: B Date: 10/17/2016 or later FAA Approved Revision	Piper Aircraft Corp.	PA-44 PA-44-180
Fuel Level Sender	9812-0026-101	PS10013-11 548-671 7740-00309	Test and Computation per 14CFR 21.303 Dwg No: 9812-0026 Rev: B Date: 10/17/2016 or later FAA Approved Revision	Piper Aircraft Corp.	PA-28 PA-28-161 PA-28-181

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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Fuel Level Sender	9812-0028-101	7740-00304	Test and Computation per 14CFR 21.303 Dwg No: 9812-0028 Rev: B Date: 10/17/2016 or later FAA Approved Revision	Maule Aerospace Technology	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-7-420 MXT-7-180,MT-7-235 M-8-235,MX-7-160 MXT-7-160,MX-7-180A MXT-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,M-7-420AC MX-7-160C,M-7-180AC M-7-420A,MT-7-420 M-4-180V,M-9-235

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GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.



*for*  
Jim Grigg  
Acting Manager, Fort Worth Aircraft  
Certification Office



Carlton Cochran  
Manager, Fort Worth Manufacturing Inspection  
District Office