



Component Maintenance Manual Instructions for Continued Airworthiness

Instrument Tech Corp
Part Number 9812-xxxx
Fuel Level Sender Units
 PMA for
14CFR Part 23 Aircraft

FAA PMA

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ACRONYMS & DEFINITIONS

14CFR	Chapter 14 of the Federal Aviation Regulations
ACO	Aircraft Certification Office
AD	Airworthiness Directive
AEG	Aircraft Evaluation Group
AFMS	Aircraft Flight Manual Supplement
AMM	Aircraft Maintenance Manual
CMM	Component Maintenance Manual
ELOS	Equivalent Level of Safety
FAA	Federal Aviation Administration
FSDO	Flight Standard District Office
ICA	Instructions for Continued Airworthiness
LRU	Line Replaceable Unit(s)
MCDA	Military Commercial Derivative Aircraft
MCO	Military Certification Office
MIDO	Manufacturing Inspection District Office
MMEL	Master Minimum Equipment List
MMS	Maintenance Manual Supplement
MRA	Major Repairs & Alterations
OM	Owner's Manual
PMA	Parts Manufacturer Approval
STC	Supplemental Type Certificate
TCDS	Type Certificate Data Sheet
TSOA	Technical Standard Order Authorization

Type Design Data/Drawings, specifications, processes, instructions, design definition documents, and test requirements containing sufficient descriptive information to completely describe the design of the modification or installation.

1 Introduction

This Component Maintenance Manual provides instructions to insure satisfactory operation and maintenance of the Instrument Tech Corp (ITC) Fuel Level Sender Units, ITC part number 9812-xxxx, on various CAR3 and Part 23 type aircraft.

2 Description

The ITC PMA 9812-xxxx Fuel Level Sender Units provide for the replacement of obsolete and/or no longer available aircraft OEM production parts. The units are manufactured to the highest possible aerospace standards and are a fully compatible replacement to the original aircraft certified part.

3 Operation

The ITC Fuel Level Sender Unit replacement part replicate operational and performance aspects of the original aircraft certified part.

4 Servicing

The ITC Fuel Level Sender Unit replacement part is removed and installed in the same manner as the original aircraft component, therefore the original aircraft service and maintenance instructions should be followed.

5 Maintenance Instructions

The ITC Fuel Level Sender Unit is to be maintained on condition of operation. There is no field maintenance that can be performed on this unit. In the event of incorrect indication and or malfunction;

- a) remove and test the unit in accordance with the troubleshooting procedures described in Section 6 to determine serviceability, or
- b) return unit to ITC for serviceability evaluation, or
- c) remove and replace the unit with a new or serviceable unit.

6 Troubleshooting Information

The ITC Fuel Level Sender Units is not repairable, however evaluation of the correct operational output of the unit can be determined by testing the unit in accordance with Internal Service Procedures, ITC Document No. QCP652.

7 Removal and Replacement

The ITC Fuel Level Sender Unit replacement part is removed and replaced in the same manner as the original aircraft component, therefore the original aircraft maintenance instructions should be followed.

8 Diagrams

The ITC Fuel Level Sender Unit has the same mechanical and electrical characteristics as the original OEM aircraft component, therefore the original aircraft maintenance manual should be referred to.

9 Special Inspection Requirements

None applicable.

10 Protective Treatments

None applicable.

11 Data

The ITC Fuel Level Sender Unit has the same mechanical and electrical characteristics as the original OEM aircraft component, therefore the original aircraft maintenance manual should be referred to.

12 Special Tools

None required.

13 Special Methods and Practices - Commuter Category Aircraft

Not applicable.

14 Recommended Overhaul Period

The ITC Fuel Level Sender Units is not repairable and cannot be overhauled. When determined defective, replacement only.

15 Airworthiness Limitations

No additional Airworthiness Limitations apply.

16 Revision

This document is managed by ITC in accordance with ISO 9001:2008 and AS9100, Document Control Processes. Any revisions of this document will be coordinated with the FAA-AEG and FAA-MIDO in accordance with Chapter 6 of FAA Order 8110.54A.