

## No. SL-FF-210721 Rev. A

### TITLE

Insight Fuel Flow Sensor Service Letter SL-FF-210721

### EFFECTIVITY

Aircraft utilizing Fuel Flow sensors manufactured by Insight Instrument Corp.

### REASON

Insight Instrument Corp. Fuel Flow sensors have changed. Lack of availability of components formerly used in the manufacturing of fuel flow sensors has necessitated changing to new components.

### DESCRIPTION

This service letter explains changes to Insight Instrument Fuel Flow sensors. Insight Instrument Corp. part numbers change as follows:

Mounting Bracket	Old Part Number (K-Factor)	New Part Number (K-Factor/colour)
Spine	1000-004-1 (30,000)	1000-004A-1 (68,000/red)
Firewall	1000-004-2 (30,000)	1000-004A-2 (68,000/red)
None	1000-004-3 (30,000)	1000-004A-3 (68,000/red)
Spine	1000-004-4 (30,000)	1000-004A-4 (33,800/gold)
Firewall	1000-004-5 (30,000)	1000-004A-5 (33,800/gold)
None	1000-004-6 (30,000)	1000-004A-6 (33,800/gold)

The new sensors are installed and function similarly to the old sensors. The new sensors do not require an engine ground nor airframe ground connection. The new sensors conform to TSO C44c (Technical Standard Order for Fuel Flowmeters). TAS-1000 systems and G-Series instruments must have their K-factors set to match the installed Fuel Flow sensors.

### COMPLIANCE

**OPTIONAL.** No changes are needed to existing Fuel Flow sensor installations, unless replacement is required for servicing.

### REFERENCES

Insight Instrument Corp. Flow Sensor Mounting Diagram Drawing No. 1000-303 Rev. F.  
Insight Instrument Corp. TAS Installation Procedures Doc. No. 1000-402 Rev. J  
Insight Instrument Corp. G-Series Installation Manual Doc. No. 070906 Rev. 1.6

### ACCOMPLISHMENT INSTRUCTIONS

Follow all relevant installation instructions in the documents listed under References.

### CONTACT

Insight Instrument Corp.  
PO Box 122  
Fort Erie, ON, Canada  
L2A 5M6  
905-871-0733  
www.insightavionics.com