

EGT-701 with Fuel Flow Option

Installation Instructions

1...General:

A complete thorough familiarization and understanding of the system and this manual is necessary before commencing the installation. All work must conform with A.C. 43.13.1A ch. 11 sec. 2, 3, 7. The accuracy of this instrument depends entirely upon the accuracy of the data entered. A periodical checking of the actual fuel onboard will eliminate the accumulation of errors due to evaporation leaks, etc.

Do not use the FXT-201 Flow Transducer on aircraft with a gravity feed system. The standard Fuel Transducer (FXT-201) shipped with the EGT-701(),with Fuel Flow option Fuel Flow instrument is intended to be used on aircraft equipped with fuel pumps. A gravity feed system requires the FXT-231 flow transducer.

Transducer Identification Markings

FXT-201 - Marked "201" on the top of the unit.

FXT-231 - Marked "231" on the top of the unit.

Installation of the EGT-701(),with Fuel Flow option on an aircraft with a fuel return line from the Carburetor requires a FFDM-1, -2 Differential Module manufactured by from EI or JPI.

The placard "Do Not Rely on Fuel Flow Instrument to Determine Fuel Levels in Tanks" must be mounted on the aircraft instrument panel near the EGT-701, () with fuel flow option.

If the aircraft is equipped with a primary fuel flow, the following placard must be mounted on the aircraft instrument panel near the EGT-701(),WITH FUEL FLOW OPTION(): "Refer to Original Fuel Flow Instrumentation for Primary Information".

do not obstruct the freedom of travel of arty controls.

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for EGT-701 with Fuel Flow Option

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9... Pilot Programmable Modes: (excerpt from STC 2586NM)
See JPI Installation Manual For EGT-701, No 103 Page 8 for more information.

RS232/422 Input Ports (EGT-701),with Fuel Flow option Only!:

Single Line Receive Method:	RS-232C, RS423, or 5 Volt Serial.
Dual Line Receive Method:	RS-422 or RS-485.
Protocol:	1 Start bit, 8 Data bits, 1 Stop bit.
Baud Rate:	L 1 = 9600, L 2 = 1200
Format:	Moving Map Output: L 1 = King KIN-88, L 2 = Northstar

RS232 Output Port

Transmit Method:	RS-232 Single Line.
Protocol:	1 Start bit, 8 Data bits, 1 Stop bit.
Baud Rate:	9600
Transmit Format:	King KIN-88.

Fuel Flow Transducer, Standard (FXT-201) Fuel Flow Transducer, Gravity Only (FXT-231):

Range:	0.6 to 60 GPH	Range:	3 to 90 GPH
Linearity:	%1 (8 to 60 GPH)	Linearity:	%1 (8 to 60 GPH)
K Factor	Approx. 29,000	K Factor:	Approx. 19500
Pressure Drop:	1.2 PSI at 30 GPH 4.8 PSI at 60 GPH	Pressure Drop:	.31 PSI at 30 GPH 2.8 PSI at 90 GPH
Working Press:	200 PSI	Working Press:	200 PSI
Min. Burst Press:	2000 PSI	Min. Burst Press:	2000 PSI
Temp. Range:	-65°C to 125°C	Temp. Range:	-65°C to 125°C
Fuel Ports:	1/4" Female NPT	Fuel Ports:	1/4" Female NPT