

# ELECTRONICS INTERNATIONAL INSTRUMENTS



## FP-5 FUEL FLOW + HORSEPOWER

**PMA<sub>d</sub> and STC<sub>d</sub>** - Same amazing Fuel Flow/Horsepower Instrument as our FP-5L, but without GPS interface. Features: • HORSEPOWER to 1% hp • FLOW Displayed in Gallons, Pounds, Liters or British Gallons. • AUTOMATIC K-Factor Calibration for UNSURPASSED • ACCURACY. • FUEL USED Displays "Used for Flight" and "Used Since Fill Up" • FUEL REMAINING Displays fuel remaining to 1/10 gallon. • SCAN MODES Manual and Automatic. • RECURRING FUEL USED ALARM Pilot Programmable! • AUXILIARY Channel To monitor one of the following options: EGT, OAT, Carb Temp, Oil Temp, Manifold Pressure, Gyro Vacuum, RPM, Volts or Amps • Pilot Two LOW FUEL ALARMS Pilot Programmable! • TIME TO EMPTY automatically calculated and displayed. Specs: 2-1/4" mount, 3.65" deep, 28 oz. pkg. Backlit. Superior Viewing in Sunlight. External Warning Line. Operates from 7.5 to 30 volts @ .3 amps.

Model	Description	Part No.	Price
FP-5	Instrument Only FUEL FLOW w/ HP (instrument only, no transducers)	10-25300	.
FP-5-60	FUEL FLOW w/ HP w/ FT-60 flow xdr, up to 350HP, engine-driven fuel pump	10-25304	.
FP-5-90	FUEL FLOW w/ HP, w/ FT-90 Flow Transducer, for aircraft w/ 350-550 HP or without an engine-driven fuel pump	10-00260	.
FP-5-180	FUEL FLOW w/ HP, includes HIGH FLOW Transducer (for aircraft w/ more than 550HP)	10-03208	.



## FP-5L FUEL FLOW, PRESSURE, HORSEPOWER AND GPS PMA<sub>d</sub> & STC<sub>d</sub> PRIMARY REPLACEMENT INSTRUMENT

Positively the best Fuel Flow/Horsepower Instrument there is! Nothing else even comes close. The FP-5L's High-Powered Features include: • HORSEPOWER, to 1 percent hp. No other fuel gauge provides this! • FLOW, displayed in Gallons, Pounds, Liters or British Gallons. • AUTOMATIC K-Factor Calibration for UNSURPASSED ACCURACY. • FUEL DISPLAYS: "Used for Flight", "Used Since Fill Up", "MPG", "Fuel Required to Destination", "Fuel Remaining", "Time to Empty." • SCAN MODES: Manual and Automatic. • RECURRING FUEL USED ALARM Pilot Programmable. • 2 LOW FUEL ALARMS Pilot Programmable w/ Red Warning LED. • FUEL REMAINING displayed to 1/10 Gal. • AUTOMATICALLY CALCULATES AND DISPLAYS "Time to Empty", "Fuel Req to Dest," and "Fuel Reserve.". Displays Nautical and Statute Miles per Gallon. Multiple Data Outputs & Inputs, Handhelds & Panel Mounts. One-of-a-kind AUXILIARY Channel can be used to monitor an additional function (choose one):EGT, TIT, CHT, OAT, Carb Temp, Oil Temp, Cowl Temp, Fuel Pressure, Gyro Vacuum, Manifold Pressure, Volts or Amps. Specs: 2-1/4" mount, 3.65" deep, 28 oz. pkg. Backlit for Night Operation, Superior Sunlight Viewability, External Warning Line. Operates from 7.5 to 30 volts @ .3 amps.

Models	Description	Part No.	Price
FP-5L	Fuel Flow w/ Horsepower & GPS input/output (instrument only; no transducers)	10-01217	.
FP-5L-60	Fuel Flow w/ Horsepower & GPS input/output; includes FT-60 Flow Transducer (for aircraft w/ up to 350 HP & an engine-driven fuel pump).	10-25310	.
FP-5L-90	Fuel Flow w/ Horsepower & GPS input/output, includes FT-90 Flow Transducer	10-01045	.
FP-5L-180	Fuel Flow w/ Horsepower & GPS input/output, includes FT-90 Flow Transducer	10-01050	.

### FP-5 & FP-5L AUXILIARY OPTIONS

Models	Description	Part No.	Price
The FP-5 & FP-5L feature an Auxiliary Channel. Any one of the following choices can be added to at any time.			
FFDM-1 w/ FT-60	FUEL FLOW Differential Module, for aircraft with a Pressure Carburetor. Includes FT-60 or FT-90 Flow Transducer to measure the returned fuel. Please specify FT-60 or FT-90. DOES NOT use up the FP-5's Auxiliary channel.	10-25325	.
FFDM-1 w/ FT-90	FUEL FLOW Differential Module, for aircraft with a Pressure Carburetor. Includes FT-60 or FT-90 Flow Transducer to measure the returned fuel. Please specify FT-60 or FT-90. DOES NOT use up the FP-5's Auxiliary channel.	10-03190	.
FM-Temp-P-110	EGT hose clamp probe and 6' cable. Compensates HP reading when leaning.	10-02188	.
FM-Temp-P-128	OAT or CARB Temp probe (1/4"-28 thread) and 6' cable	10-02769	.
FM-Temp-P-120	Secondary OIL Temp probe (5/8"-18 thread) and 6' cable	10-02770	.
FM-Temp-P-111	Secondary TIT or OIL Temp probe (1/8" NPT adjustable depth) and 6' cable	10-02765	.
FM-Temp-P-112	Secondary TIT or OIL Temp probe (7/16-20 thread adjust. depth) and 6' cable	10-02766	.
FM-Temp-P-114	Secondary TIT or OIL Temp probe (1/4" NPT adjust. depth) and 6' cable	10-02767	.
FM-OP	Secondary OIL PRESSURE. Includes PT-100GA Pressure Transducer	10-25336	.
FM-FP	Secondary Fuel Pressure. Includes PT-30GA Pressure Transducer	10-25337	.
FM-MP	Secondary Manifold Pressure. Includes Pressure Transducer	10-25338	.
FM-RPM 6C	Secondary RPM. Connects directly to the Mag Switch	10-01786	.
FM-Gyro	Gyro Vacuum. Includes Pressure Transducer	10-25339	.
FM-VA	Secondary Volts or Amps (one or the other) w/ S-50 amp shunt.	10-25341	.
AV-17	Voice Annunciator. Connects through the Audio Panel or Intercom. The 1"x1" control panel mounts on your instrument panel. The 4.1"x 2.6"x 1.7" control box mounts under the instrument panel. See all Annunciator Panels on our "Accessories" page.	10-00181	.

## E.I. INSTRUMENTS

The entire line of Electronics International digital instruments offers precise readings at exceptional prices. All gauges are accurate to 1%. They are FAA-approved under STC No. 1626NM. Furnished complete with all probes & leads.



10-01355



10-01339



10-01348



10-01373

Single-Engine:	Description	Part No.	Price
E-1	Single-Channel EGT or CHT, STC <sub>d</sub> , TSO <sub>d</sub> , PMA <sub>d</sub> 2 1/4" Mount, 2.5" Depth, 12 Oz. Kit.	10-01355	.
C-1	EGT, CHT or TIT, PRIMARY REPLACEMENTS STC <sub>d</sub> , TSO <sub>d</sub> , PMA <sub>d</sub> w/ Over-Temp Warning Light, 2 1/4" Mount, 2.5" Depth, 12 Oz.	10-01338	.
T-1P	EGT, CHT or TIT, PRIMARY REPLACEMENTS STC <sub>d</sub> , TSO <sub>d</sub> , PMA <sub>d</sub> w/ Over-Temp Warning Light, 2 1/4" Mount, 2.5" Depth, 12 Oz.	10-01373	.
E-1P	EGT, CHT or TIT, PRIMARY REPLACEMENTS STC <sub>d</sub> , TSO <sub>d</sub> , PMA <sub>d</sub> w/ Over-Temp Warning Light, 2 1/4" Mount, 2.5" Depth, 12 Oz.	10-02762	.
C-1P	EGT, CHT or TIT, PRIMARY REPLACEMENTS STC <sub>d</sub> , TSO <sub>d</sub> , PMA <sub>d</sub> w/ Over-Temp Warning Light, 2 1/4" Mount, 2.5" Depth, 12 Oz.	10-01339	.
EC-1	Switchable from EGT to CHT (1 of ea), STC <sub>d</sub> , TSO <sub>d</sub> & PMA <sub>d</sub> . 2 1/4" Mount, 2.5" Depth, 16 oz	10-01358	.
EAC-1	STC <sub>d</sub> , TSO <sub>d</sub> , PMA <sub>d</sub> - EGT/OAT/CHT Ice Zone Warning Light (from 10 to 39 degrees Celsius).	10-00806	.
CA-1	STC <sub>d</sub> , TSO <sub>d</sub> , PMA <sub>d</sub> - CARB TEMP/OAT w/ Ice Zone Warning Light. (from 10 to 39 degrees Celsius)	10-01351	.
A-1	OAT w/ Ice Zone Warning Light, STC <sub>d</sub> , PMA <sub>d</sub> , TSO <sub>d</sub> (light comes on between 10 and 39 degrees F).	10-01307	.
E-4	EGT and CHT instruments, STC <sub>d</sub> , TSO <sub>d</sub> and PMA <sub>d</sub> . Four Channels (EGT or CHT)	10-01356	.
C-4	EGT and CHT instruments, STC <sub>d</sub> , TSO <sub>d</sub> and PMA <sub>d</sub> . Four Channels (EGT or CHT)	10-01348	.
E-6	EGT and CHT instruments, STC <sub>d</sub> , TSO <sub>d</sub> and PMA <sub>d</sub> . Six Channels	10-01357	.
C-6	EGT and CHT instruments, STC <sub>d</sub> , TSO <sub>d</sub> and PMA <sub>d</sub> . Six Channels	10-01350	.

Single-Engine:	Description	Part No.	Price
EC-1P	STC <sub>d</sub> /PMA <sub>d</sub> /TSO <sub>d</sub> PRIMARY replacement Instruments w/ OverTemp Lights.	10-00807	.
TC-1P	STC <sub>d</sub> /PMA <sub>d</sub> /TSO <sub>d</sub> PRIMARY replacement Instruments w/ OverTemp Lights.	10-02736	.
<b>FOR TWINS</b> - Orders for following instruments MUST specify type of probes: EGT hose clamp, TIT (hose clamp, 1/8" NPT, 1/4" NPT or 7/16 x 20). CHT, and OverTemp Limits.			
EE-1P	Dual Display EGT (1 L & 1 R), Over-Temp Lights, 3-1/8" mount	10-01447	.
CC-1P	Dual Display CHT (1 L & 1 R), Over-Temp Lights, 3-1/8" mount	10-02735	.
TT-1P	Dual Display TIT (1 L & 1 R), Over-Temp Lights, 3-1/8" mount	10-02733	.
EC-1PT	Dual Display 1 EGT & 1 CHT w/ OverTemp Lights, 3-1/8" mount	10-02731	.
TC-1PT	Dual Display 1 TIT & 1 CHT w/ OverTemp Lights, 3-1/8" mount	10-02732	.
<b>FOR TWINS</b> - Not Primary Replacement Instruments, but STC <sub>d</sub> , PMA <sub>d</sub> , TSO <sub>d</sub> . Same order requirements and specifications as above:			
E-2	(one display, switchable from left to right engine, either EGT or CHT)	10-00098	.
C-2	(one display, switchable from EGT, L/R and CHT L/R).	10-01661	.
EC-2	(one display, switchable from EGT, L/R and CHT L/R).	10-01359	.