

# ELECTRONICS INTERNATIONAL INSTRUMENTS

## E.I. DIGITAL/GRAPHIC INSTRUMENTS

These Digital/Graphic Instruments are solid state and hold their accuracy over time and a range of environmental conditions. The colorful Graphic Analog display emits green, yellow, or red lights enabling the pilot to spot problems immediately without interpreting a needle. Gauges mount in 2-1/4" instrument holes.



### TACHOMETER

The colorful Graphic Analog display emits green, yellow, or red light enabling the pilot to spot problems immediately without interpreting a needle. The Digital display constantly provides an exact indication of each instrument function. Gauges mount in 2-1/4" instrument holes. These instruments (except fuel level) are STCd & TSO'd for certificated aircraft. The R-1 is a precision RPM instrument featuring a 210 degree graphic analog display and a full four-digit digital display. The 10 RPM resolution allows for precise RPM settings. The R-1 features a tach time recorder which records the time the engine is operated over 1300 RPM as well as an automatic flight timer which records the time starting when RPM reaches 2000 (takeoff) and then drops below 2000 (landings). Installation of the R-1 is simple. It connects to the mag. lead through isolator and requires no cables. It is backlit and operates on 12-24volt systems. Wt. 10 oz. Max. Digital Range 5000 RPM. Accuracy 1%. Specify red line, yellow & green arcs, and magneto models, as well as aircraft make & model .....P/N 10-25200



### OIL PRESSURE/TEMPERATURE

OPT-1, OIL TEMP/PRESSURE: STC'd, PMA'd and TSO'd as PRIMARY REPLACEMENT. OPT-1 features dual 90 degree graphic analog displays w/ green, yellow, and red LEDs. Accurate to 1 PSI and 1°F Resolution. External Oil Press and Temp Transducers (no oil in the cockpit). 2 1/4" Mount. 3.65" Depth. 22 Oz. Kit. Superior sunlight viewability. Backlit. Operates

from 7.5 - 35 volts @ .3 amps. **Note:** This instrument may come with labels on the faceplate rather than silkscreening, depending on your a/c's required markings .....P/N 10-25205



### MANIFOLD PRESSURE

M-1, MANIFOLD PRESSURE. STC'd, PMA'd & TSO'd as PRIMARY REPLACEMENT. 210 degree graphic analog display w/ green, yellow, and red LEDs. Accurate 1" Mercury Resolution digital display. Connects to std pressure line through 1/4" male flare union. 2 1/4" Mount. 3.65" Depth. 13 Oz. Unit. Viewable in direct sunlight. Backlit Operates from 7.5 to 30 volts @ .3 amps. **Note:** This instrument may come

with labels on the faceplate rather than silkscreening, depending on your a/c's required markings .....P/N 10-25210



### VOLTS/AMPS

VA-1A, VOLTS/AMP. The VA-1A is a FAA/PMA approved instrument which features a discharge warning light to act as an early warning device alerting you as soon as discharging begins. This is critical in giving the pilot as much time as possible to reduce electrical load and extend the life of the battery in flight. Also, by monitoring load currents to .1 amps the pilot can check important aircraft functions such as

retracts, boost pumps, transmitter power, pilot heat, navigation lights, transponder, strobes, and any other electrical equipment. The VA-1 can replace your existing amp gauge. It is backlit for night operation and operates on 12 or 24 volt systems. Available with internal or external shunt. Wt. 9 Oz. ....P/N 10-00809



### VA-1A-XX, VOLTS/AMP

STC'd, PMA'd as PRIMARY REPLACEMENT. (For use with External Shunt. Discharge and High Voltage Warning Lights. 100 amp capability (or order VA-1A-300 for 300-amp capability). .1 volt and .1 amp Resolution. Accuracy: 1%. 2 1/4" Mount. 2.5" Depth. 9 Oz. Unit. Superior sunlight viewability. Backlit. Operates from 7.0 to 40 volts @ .1 amp.

| Description                      | Part Number | Price |
|----------------------------------|-------------|-------|
| VA-1A-50 (S-50 external shunt)   | 10-01378    | ---   |
| VA-1A-300 (S-300 external shunt) | 10-01394    | ---   |
| RSVA-3 Remote Switch             | 10-03207    | ---   |



### FUEL LEVEL INSTRUMENTS

For TC holders, STC holders or Experimental Aircraft No STCs. FL-1CA Fuel Level Instrument. The FL-1CA is to be used w/ El's P-300C Capacitive Fuel Probe (custom order probe length from 6" to 20"). The FL-1CA features a 210 degree Arc of LEDs for an excellent "field of vision" reference and a Digital Display. Can display in gallons (one or one-half gallon increments), pounds or liters.

**Specifications:** 2 1/4" Mount, 3.65" Depth, 10 Oz. Unit, Viewable in direct sunlight and Backlit for night operations.

| Model        | Description   | Part No.        | Price |
|--------------|---|-----------------|-------|
| FL-1CA       | The FL-1CA is to be used w/ El's P-300C capacitive fuel probe (order from 6" to 20" long). 210 degree LED arc + a digital display. Can display in gallons (one or one-half gallon increments), pounds or liters. <b>Specifications:</b> 2 1/4" Mount, 3.65" Depth, 10 Oz. Unit, Viewable in direct sunlight and Backlit for night operations.   | 10-00386        | ---   |
| FL-1RA-12/24 | The FL-2RA-12 designed to be used on a 12-volt system w/ resistive fuel probes. Features a 210 degree LED arc + a digital display. Max resistance between 90-270 ohms. Can display in gallons (one or one-half gallon increments), pounds or liters. <b>Specifications:</b> 2 1/4" Mount, 3.65" Depth, 10 Oz. Unit, Viewable in direct sunlight and Backlit.  | 12V<br>10-03209 | ---   |
|              |   | 24V<br>10-00388 | ---   |
| FL-2CA       | The FL-2 is a fuel level instrument featuring dual 90 degree LED arcs + a digital display. The FL-2 can display in gallons (one or one-half gallon increments), pounds or liters. <b>Specifications:</b> 2 1/4" Mount, 3.65" Depth, 10 Oz. Unit, Viewable in direct sunlight, Backlit, Operates from 7.5 to 35 volts at .3 amps.  | 11-03788        | ---   |
| FL-2RA-12/24 | The FL-2 is a fuel level instrument featuring dual 90 degree LED analog displays and a digital display. The FL-2 can display in gallons (one or one-half gallon increments), pounds or liters. FL-2. <b>Specifications:</b> 2 1/4" Mount, 3.65" Depth, 10 Oz. Unit, Viewable in direct sunlight, Backlit, Operates from 7.5 to 35 volts at .3 amps. Please specify 12/24 volt at the time of order. | 11-03789        | ---   |
| FL-2RA-24    |   | 11-07104        | ---   |

### EI 37 DEGREE FLARE FITTING

This is a 1/4" 37 Degree Flare Fitting used to kit the MP tube of a hard line to interface the Vacuum Pressure Transducer.

P/N 10-06847



### ELECTRONICS INTERNATIONAL LED INTENSITY CONTROL

Controls the intensity of the green LED's on the UBG-16, R-1, M-1, OPT-1, FL-2, FP-5(L), and other EI instruments. This unit can be connected to any one or all of these instruments at the same time. It provides linear control of the intensity of the green LED's for low ambient light or night operation. Mounts in a 1/4" hole. Operates on a 12 or 24 volt system. E.I. products include all documentation and certifications.

| Description  | Part No. | Price |
|--|----------|-------|
| EI LED Intensity Control - CP1   | 10-02035 | ---   |
| EI LED Intensity Control - CP1A<br>Allows Pilot to run current (to power lighting) | 10-06280 | ---   |