**ELECTRONICS INTERNATIONAL 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.

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**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 converts rpm values to tachometer readings. Each instrument includes a 2000 rpm tach range, a 200 rpm scale, tachometer accuracy of 1%, and a 9 volt backlit digital display. The text on the faceplate indicates the range of the tachometer and the instrument function. Gauges mount in 2-1/4” instrument holes. These instruments (except fuel level) are STC’d and TSO’d for flight operation. They are the same as the R-1, M-1, and OPT-I. Additionally, the B-1 features a backlit, digital display. The B-1 and OPT-I feature a full four-digit digital display. The 10 RPM resolution allows for precise rpm settings. The R-1 features a snapshot tachometer recorder which records the time the engine is operated over 1300 RPM as well as an automatic time clock which records the time starting when RPM reaches 2000 (takeoff) and then drops below 2000 (landing). Installation of the R-1 is simple. It connects to the mag. lead or other electrical equipment. The VA-1 can be wired with labels on the faceplate rather than silkscreening, depending on your a/c’s required markings.

**OIL PRESSURE/Temperature**

**OPT-1, Oil Temp/Pressure:** STC’d, PMA’d and TSO’d as PRIMARY REPLACEMENT.

- **OPT-1** features a 90-degree graphic analog display w/ green, yellow, and red LEDs. Accurate to 1 PSI and 1°F Resolution. External Oil Pressure and Temp Transducers (no oil in the cockpit). 2 1/4” Mount, 3.65” Depth, 22 Oz. Kit. This instrument may come with labels on the faceplate rather than silkscreening, depending on your a/c’s required markings.

**MANIFOLD PRESSURE**

**M-1, MANIFOLD PRESSURE:** STC’d, PMA’d and TSO’d as PRIMARY REPLACEMENT.

- **210 degree graphic analog display w/ green, yellow, and red LEDs.** Accurate to 1 PSI and 1°F Resolution. Connects to std pressure line through 1/4” male flare union. 2 1/4” Mount, 3.65” Depth, 10 Oz. Unit, Viewable in direct sunlight and Backlit for night operations. 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.

**VOLTS/AMPS**

**VA-1, VOLTS/AMP:** The VA-1 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 transponder, strobes, and any other electrical equipment. The VA-1 can replace your existing amp gauge. It is backlit for night operation and extends the life of the battery in flight. Also, 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.

**FL-1A, VOLTS/AMP:** The FL-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 transponder, strobes, and any other electrical equipment. The FL-1A can replace your existing amp gauge. It is backlit for night operation and extends the life of the battery in flight. Also, 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.

**FL-2A, VOLTS/AMP:** 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. Features include a 210 degree LED arc + a digital display. The FL-2 features a 210 degree LED arc + a digital display. 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.

**FL-2FRA-12/24**

- **FL-2FRA-12/24** designed to be used on a 12-volt system w/ resistive fuel probes. Features include 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.

**FL-2RA-24**

- **FL-2RA-24** designed to be used on a 24-volt system w/ resistive fuel probes. Features include 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.

**FL-3RA-24**

- **FL-3RA-24** designed to be used on a 24-volt system w/ resistive fuel probes. Features include 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.

**FL-2RA-24**

- **FL-2RA-24** designed to be used on a 24-volt system w/ resistive fuel probes. Features include 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.

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**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/ EI’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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Part No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-1CA</td>
<td>The FL-1CA is to be used w/ EI’s P-300C capacitive fuel probe (order from 6” to 20”). 210 degree LED arc + a digital display. Display in gallons (one or one-half gallon increments), pounds or liters.</td>
<td>10-00386</td>
<td>$485.00</td>
</tr>
<tr>
<td>FL-2RA-12/24</td>
<td>The FL-2RA-12 designed to be used on a 12-volt system w/ resistive fuel probes. Features include a 210 degree LED arc + a digital display. Display in gallons (one or one-half gallon increments), pounds or liters.</td>
<td>10-03209</td>
<td>$485.00</td>
</tr>
<tr>
<td>FL-2RA-24</td>
<td>The FL-2RA-24 designed to be used on a 24-volt system w/ resistive fuel probes. Features include a 210 degree LED arc + a digital display. Display in gallons (one or one-half gallon increments), pounds or liters.</td>
<td>10-07104</td>
<td>$473.00</td>
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**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 $18.95

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**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-8(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. EI products include all documentation and certifications.

<table>
<thead>
<tr>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>EI LED Intensity Control - CP1</td>
<td>10-02035</td>
<td>$53.90</td>
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<tr>
<td>EI LED Intensity Control - CP1A</td>
<td>10-06280</td>
<td>$69.95</td>
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</tbody>
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**WHISTLE**

A whistle w/ magnet & post. 2 1/4” Mount, 2.5” Depth. 9 Oz. Unit. Superior sunlight viewability. 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.

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**EI LED INTENSITY CONTROL**

Controls the intensity of the green LED’s on the UBG-16, R-1, M-1, OPT-1, FL-2, FP-8(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. EI products include all documentation and certifications.