



| General Information   |                 |  |   |  |  |
|---|-----------------|--|---|--|--|
| Customer Name:  |                 |  | Aircraft Tail #:  |  |  |
| Email:  |                 |  | Phone:  |  |  |
| Aircraft Make:  | Aircraft Model: |  | Engine Mfr:   |  |  |
| Engine Model:   | # of Cylinders: |  | Max HP:   |  |  |
| Standard wire length shipped with all instruments is 8 feet.<br><input type="checkbox"/> Extend to 12 feet cable length.<br><input type="checkbox"/> Extend to 20 feet cable length (\$500 additional charge) |                 |  | Other certification options:<br><input type="checkbox"/> Include a Certificate of Conformance (\$10)<br><input type="checkbox"/> Include an 8130-3 (\$195). Can add up to 2 weeks to lead time. |  |  |

**For each order, this worksheet MUST be completed and submitted, along with the following items:**

**1. Specific pages from your POH/AFM:**

- POH/AFM Cover Page
- Engine/Operations Limitations Page + the page before it and the page after it.
- Power Plant/Engine Instrument Markings + the page before it and the page after it.

**2. Any ADs/STCs/AFMs that affect the original power plant instrument markings.**

**\*\*\* Closeup color photos of the primary gauges in your aircraft panel (helpful but not required).**

**Function Selections:** The CGR-30 Combo can display up to 29 functions. The first 3 functions are pre-selected below. Select the remaining functions by numbering them 4 through 29. All functions are included in the kit price except for the CO Detector. Its price is indicated below.

| Function # | Function  | Function #  | Function                                   |
|------------|---|---|--|
| 1          | RPM   |   | Hydraulic Pressure                         |
| 2          | EGT - All Cylinders   |   | IAT  |
| 3          | CHT - All Cylinders   |   | G-Meter (Does not have Peak Hold feature.) |
|            | Manifold Pressure   |   | OAT in °F                                  |
|            | Fuel Flow, Gravity Feed, No Fuel Pump                           |   | OAT in °C                                  |
|            | Fuel Flow, Aircraft w/Fuel Pump                                 |   | Horsepower (Requires MP, RPM, EGT)         |
|            | Fuel Flow, Aircraft w/Pressure Carb                             |   | CDT  |
|            | Fuel Pressure (Must have Fuel Pump)                             |   | Cabin Pressure                             |
|            | Fuel Pressure for Turbocharged Aircraft                         |   | Cabin Differential Pressure                |
|            | Fuel Tank 1   |   | CO Detector (additional \$495)             |
|            | Fuel Tank 2   | Each tank counts as a function.<br>To monitor more than 4 tanks, contact E.I. | Local Time**                               |
|            | Fuel Tank 3   |   | Zulu Time**                                |
|            | Fuel Tank 4   |   | Engine Time (Requires RPM)**               |
|            | Oil Pressure  |   | Tach Time (Requires RPM)**                 |
|            | Oil Temp  |   | Flight Time (Requires RPM)                 |
|            | Volts <input type="checkbox"/> 12V <input type="checkbox"/> 24V |   | Annunciator/Other Function 1:              |
|            | AMPS  |   | Annunciator/Other Function 2:              |
|            | 2nd AMPS (includes FM-VA-3 Module)                              |   | Annunciator/Other Function 3:              |
|            | Vac   |   | Annunciator/Other Function 4:              |
|            | Carb Temp   |   | Annunciator/Other Function 5:              |
|            | TIT   |   | Annunciator/Other Function 6:              |

\*\* Local Time, Zulu Time, Engine Time and Tach Time are built in and are displayed in a submenu. You may still select them as functions to display on the main or secondary screen.

|                         |  |
|-------------------------|--|
| <b>Dimming Control:</b> | <input type="checkbox"/> Dim the CGR as rheostat voltage is increased. |
|                         | <input type="checkbox"/> Dim the CGR as rheostat voltage is decreased. |
|                         | <input type="checkbox"/> Add Automatic Dimming Control Sensor (ADC-1). |

|  |   |
|--|---|
| <b>AMPS (if selected)</b>  | <b>Measurement of:</b> <input type="checkbox"/> Battery Current <input type="checkbox"/> Alternator Current |
| <input type="checkbox"/> Use the included 100-Amp Shunt.<br><input type="checkbox"/> Use the included 300-Amp Shunt. Rarely required and reduces resolution to one amp.<br><input type="checkbox"/> The aircraft's existing shunt will be used. Value is _____ Amps at _____ mV. |   |

|  |  |
|--|--|
| <b>2nd AMPS (if selected)</b>  | <b>Measurement of:</b> <input type="checkbox"/> Battery Current <input type="checkbox"/> Alternator Current <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Use the included 100-Amp Shunt.<br><input type="checkbox"/> Use the included 300-Amp Shunt. Rarely required and reduces resolution to one amp.<br><input type="checkbox"/> The aircraft's existing shunt will be used. Value is _____ Amps at _____ mV. |  |

|                                 |  |
|---------------------------------|--|
| <b>Fuel Flow (if selected):</b> | <b>Total Usable Fuel:</b> _____ Gallons. |
|---------------------------------|--|

| Fuel Tank Configuration (if selected) |  |                           |  |               |
|---------------------------------------|--|---------------------------|--|---------------|
| <b>Fuel Tank 1 Name:</b>              |  | <b>Usable Fuel Level:</b> |  | <b>Units:</b> |
| <b>Fuel Tank 2 Name:</b>              |  | <b>Usable Fuel Level:</b> |  | <b>Units:</b> |
| <b>Fuel Tank 3 Name:</b>              |  | <b>Usable Fuel Level:</b> |  | <b>Units:</b> |
| <b>Fuel Tank 4 Name:</b>              |  | <b>Usable Fuel Level:</b> |  | <b>Units:</b> |

**Fuel Tank Sensor Type:**  Resistive Sensor  E.I. P-300M Magnetic Sensor  E.I. P-300C Capacitive Sensor  
 CIES Volts  CIES Frequency  Penny Cap Capacitive or Other Sensor Type\*

**Bus Voltage:**  12V  24V

\*For Penny Cap & other probes contact E.I. Support to provide probe details.

**Fuel sensors are not included in the kit price. Do you need to purchase fuel sensors?**  Yes  No

E.I. P-300M Magnetic Sensor Quantity: \_\_\_\_\_ (\$496/sensor)  
 E.I. P-300C Capacitive Sensor Quantity: \_\_\_\_\_ (\$395/sensor)

|   |  |
|---|--|
| <b>CHT Probe Type (if selected):</b><br><br><div style="border: 1px solid black; padding: 2px; width: fit-content;">                     For additional probe options contact E.I. Support                 </div> | <input type="checkbox"/> 3/8" - 24 Screw-in (E.I. Model: P-100). Standard in the instrument kit. |
|   | <input type="checkbox"/> 3/8" Piggy-Back Gasket for Tanis Heaters (E.I. Model: P-102-3/8)        |
|   | <input type="checkbox"/> 18mm Under Spark Plug Gasket-Style (E.I. Model: P-102-18)               |

|                                      |  |
|--------------------------------------|--|
| <b>TIT Probe Type (if selected):</b> | <input type="checkbox"/> Hose Clamp, w/ 6' cable (E.I. Model: P-110R) <input type="checkbox"/> 1/4" NPT, w/ 6' cable (E.I. Model: P-114) |
|                                      | <input type="checkbox"/> 1/8" NPT, w/ 6' cable (E.I. Model: P-111)   |
|                                      | <input type="checkbox"/> 7/16-20, w/ 6' cable (E.I. Model: P-112)  |

Aircraft Tail #: 
**Annunciators\*\*\*\***

Each annunciator requires a VI-221 interface, these are included in each instrument kit. Annunciator signals are wired into the EDC-33P which converts all of the engine and aircraft system signals into serial data. Please ensure that there are adequate channels on your EDC-33P to your annunciators.

| Name<br>(7 Character Max) | Pilot or Aircraft<br>Activated? | ON-State Color<br>(Red, Yellow, Green, Blue) | ON-State Voltage<br>(12V, 24V, Bus, 0V, Ground<br>or Open) | OFF-State Voltage<br>(12V, 24V, Bus, 0V, Ground<br>or Open) |
|---------------------------|---------------------------------|--|--|---|
|                           |                                 |  |  |   |
|                           |                                 |  |  |   |
|                           |                                 |  |  |   |
|                           |                                 |  |  |   |
|                           |                                 |  |  |   |
|                           |                                 |  |  |   |
|                           |                                 |  |  |   |
|                           |                                 |  |  |   |
|                           |                                 |  |  |   |
|                           |                                 |  |  |   |

\*\*\*\*Depending on functions selected, annunciator positions may be limited. Please contact us for details.

## Notes

I (the undersigned) have entered and verified all of the information listed on this worksheet to be correct and I have supplied all required excerpts of the aircraft's POH/AFM, including any changes mandated by any AD's, Supplements and STC's. When necessary, I have checked with my FAA certified mechanic to insure all of the information listed above and all documents that I am supplying are correct.

I have verified that my aircraft make and model are listed on the applicable STC/AML for this instrument.

My aircraft is experimental or I am working with the FAA for installation approval.

**Any configuration changes after this form is submitted may incur a reconfiguration fee.** I understand there is important safety information in the Installation and Operating Instructions that must be read before installing the CGR-30 Combo and flying the aircraft.

Completed by:  Owner  Pilot  Technician  Other \_\_\_\_\_

\_\_\_\_\_  
 Printed Name

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date

**Hand Signature or Encrypted Digital Signature required.**