

CGR-30 Combo Configuration Worksheet

General Information					
Customer Name:		Aircraft Make:		Aircraft Serial #:	
Email:		Aircraft Model:		Aircraft Tail #:	
Phone:		Engine Make:		# of Cylinders:	
		Engine Model:		Max HP:	
Standard wire length shipped with all instruments is 8 feet. <input type="checkbox"/> Extend to 12' cable length (\$250 add'l charge) (2x charge if Twin CGR Pkg) <input type="checkbox"/> Extend to 20' cable length (\$500 add'l charge) (2x charge if Twin CGR Pkg)			Other certification options: <input type="checkbox"/> Include a Certificate of Conformance (\$10) <input type="checkbox"/> Include an 8130-3 (\$99). Can add up to 2 weeks to lead time.		

IMPORTANT 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 and the page before it and the page after it.
 - Power Plant/Engine Instrument Markings and the page before it and the page after it.
2. **Any ADs/STCs/AFMs that affect the original power plant instrument markings.**
3. **Closeup color photos of the primary gauges in your aircraft panel (optional, but helpful).**

Ignition Configuration:	<input type="checkbox"/> 2 Mags <input type="checkbox"/> 1 Mag + 1 SureFly <input type="checkbox"/> 1 Mag + Electronic <input type="checkbox"/> Other: _____
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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 #	Has Limits (Yes/No)	Function	Function #	Has Limits (Yes/No)	Function
1		RPM			Turbine Inlet Temp (TIT) <input type="checkbox"/> °F <input type="checkbox"/> °C
2		EGT - All Cylinders <input type="checkbox"/> °F <input type="checkbox"/> °C			Induction Air Temp (IAT) <input type="checkbox"/> °F <input type="checkbox"/> °C
3		CHT - All Cylinders <input type="checkbox"/> °F <input type="checkbox"/> °C			Compressor Discharge Temp (CDT) <input type="checkbox"/> °F <input type="checkbox"/> °C
		Manifold Pressure			G-Meter (Does not have Peak Hold feature.)
		Fuel Flow, Gravity Feed, No Fuel Pump			OAT in °F
		Fuel Flow, Aircraft w/Fuel Pump			OAT in °C
		Fuel Flow, Aircraft w/Pressure Carb			Horsepower (Requires MP) (Only For CGR-30P)
		Estimated Fuel (Must have Fuel Flow)			Cabin Pressure <input type="checkbox"/> psi <input type="checkbox"/> "Hg
		Fuel Pressure (Must have Fuel Pump) <input type="checkbox"/> psi <input type="checkbox"/> bar			Cabin Differential Pressure <input type="checkbox"/> psi <input type="checkbox"/> "Hg
		Fuel Pressure for Turbocharged Aircraft <input type="checkbox"/> psi <input type="checkbox"/> bar			Cabin Temperature <input type="checkbox"/> °F <input type="checkbox"/> °C
		Fuel Tank 1			CO Detector (additional \$695)
		Fuel Tank 2			Local Time**
		Fuel Tank 3			Zulu Time**
		Fuel Tank 4			Engine Time (Requires RPM)**
		Oil Pressure <input type="checkbox"/> psi <input type="checkbox"/> bar			Tach Time (Requires RPM)**
		Oil Temp <input type="checkbox"/> °F <input type="checkbox"/> °C			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 <input type="checkbox"/> °F <input type="checkbox"/> °C			Annunciator/Other Function 5:
		Hydraulic Pressure <input type="checkbox"/> psi <input type="checkbox"/> bar			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.

Aircraft Tail #:

Dimming Control:

- ☐ Dim the CGR as rheostat voltage is increased.
 ☐ (Option) CP-1A LED Intensity Control Pot additional \$72 charge
☐ Dim the CGR as rheostat voltage is decreased.
 ☐ (Option) CP-1A LED Intensity Control Pot additional \$72 charge
☐ Add Automatic Dimming Control Sensor (ADC-1).

AMPS (if selected)

- ☐ Battery Current (Ammeter)
 ☐ Alternator/Generator Current (Loadmeter)
 ☐ Other:

- ☐ Use the included 100-Amp Shunt.
☐ Use the included 300-Amp Shunt. Rarely required and reduces resolution to one amp.
☐ The aircraft's existing shunt will be used. Value is Amps at mV.

2nd AMPS (if selected)

- ☐ Battery Current (Ammeter)
 ☐ Alternator/Generator Current (Loadmeter)
 ☐ Other:

- ☐ Use the included 100-Amp Shunt.
☐ Use the included 300-Amp Shunt. Rarely required and reduces resolution to one amp.
☐ The aircraft's existing shunt will be used. Value is Amps at mV.

Fuel Flow (if selected):

Total Usable Fuel: Units: (Choose either US Gallons, Liters, Pounds, or British/Imperial Gallons)

Fuel Tank Configuration (if selected)

Units: Choose US Gallons, Liters, Pounds, or Bri/Imp Gallons Type: Choose Feed or Transfer

Fuel Tank 1 Name:	Usable Fuel Level:	Units:	Type:
Fuel Tank 2 Name:	Usable Fuel Level:	Units:	Type:
Fuel Tank 3 Name:	Usable Fuel Level:	Units:	Type:
Fuel Tank 4 Name:	Usable Fuel Level:	Units:	Type:

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: (\$540/sensor)

☐ E.I. P-300C Capacitive Sensor Quantity: (\$500/sensor)

CHT Probe Type (if selected):

For additional probe options contact E.I. Support

- ☐ 3/8" - 24 Screw-in (E.I. Model: P-100). Standard in the instrument kit.
☐ 3/8" Piggy-Back Gasket for Tanis Heaters (E.I. Model: P-102-3/8)
☐ 18mm Under Spark Plug Gasket-Style (E.I. Model: P-102-18)
☐ P-101 CHT Probe with A-101 adaptor (Additional \$16 charge for adaptor)

TIT Probe Type (if selected):

- ☐ Hose Clamp, w/ 8' cable (E.I. Model: P-110R)
☐ 1/8" NPT, w/ 8' cable (E.I. Model: P-111)
☐ 7/16-20, w/ 8' cable (E.I. Model: P-112)
☐ 1/4" NPT, w/ 8' cable (E.I. Model: P-114)

Aircraft Tail #:	
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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 for your annunciators.

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

*Depending on the functions selected, annunciator positions may be limited. Please contact us for details.
 **Any Reds & Yellows must be specified by supporting documentation.
 *** When a voltage (such as 12V, 24V, Bus, or 0V) is chosen in either the ON or OFF state, the opposing state can only be 'Ground' or 'Open.' The exception is "0V" and "Open" can be opposing states (but not "0V" and "Ground").

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 will incur a \$295 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 _____
Hand Signature or Encrypted Digital Signature required.

Date _____