Electronics International Inc.

CGR-30C Configuration Worksheet

General Information

Customer Name:		Aircraft Make:	Aircraft Serial #:
Email:		Aircraft Model:	Aircraft Tail #:
Phone:		Engine Make:	# of Cylinders:
		Engine Model:	Max HP:

☐ 8' cable length (Verify that this standard length is sufficient for your aircraft)
☐ 12' cable length ($250 addt'l charge) (2x charge if Twin CGR Pkg)
☐ 20' cable length ($500 addt'l charge) (2x charge if Twin CGR Pkg)

Other certification options:
☐ Include a Certificate of Conformance ($10)
☐ Include an 8130-3 ($195). Can add up to 2 weeks to lead time.

Ignition Configuration: ☐ 2 Mags ☐ 1 Mag + 1 SureFly ☐ 1 Mag + Electronic ☐ Other: _____

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.**
3. **Closeup color photos of the primary gauges in your aircraft panel (Optional, but helpful).**

Gauge Locations: There are 16 gauge locations which can be displayed on the CGR-30C. Functions which are displayed with an arc use **two** of the available locations. Be certain the functions you select do not require more than the available locations on the gauge.

Function Selections: Select your functions and number them. The first 8 functions selected are included in the instrument kit price. Function 9 and above may incur additional charges, shown below. Be certain there are available gauge locations for all selected functions.

Func-tion #	Function	Price	Func-tion #	Function	Price
	RPM (Arc Gauge. Uses 2 locations.)	$175		**Turbine Inlet Temp (TIT)** ☐ºF ☐ºC	$176
	Manifold Pressure (Arc Gauge. Uses 2 locations.)	$254		**Induction Air Temp (IAT)** ☐ºF ☐ºC	$164
	Fuel Flow, Gravity Feed, No Fuel Pump	$355		**Compressor Discharge Temp (CDT)** ☐ºF ☐ºC	$164
	Fuel Flow, Aircraft w/Fuel Pump	$355		**Cabin Air Temperature** ☐ºF ☐ºC	$164
	Fuel Flow, Aircraft w/Pressure Carb	$515		**Cabin Pressure** ☐psi ☐"Hg	$287
	Fuel Pressure (Must have Fuel Pump) ☐psi ☐bar	$287		**Cabin Differential Pressure** ☐psi ☐"Hg	$287
	Fuel Pressure for Turbocharged Aircraft ☐psi ☐bar	$574		**CO Detector** (Can only be Function #9 or Above.)	$695
	Fuel Level Tank 1 (each tank counts as a function) The first tank is $150, additional tanks are free. Tank 2 Tank 3 To monitor more than 4 tanks, contact E.I. Tank 4	$150		**Local Time****	N/C
				Zulu Time**	N/C
				Engine Time (Requires RPM)**	N/C
				Tach Time (Requires RPM)**	N/C
	Oil Pressure ☐psi ☐bar	$287		**Flight Time** (Requires RPM)	N/C
	Oil Temp ☐ºF ☐ºC	$164		**EGT, Single Channel**	$164
	Volts ☐12V ☐24V	$48		**CHT, Single Channel**	$164
	AMPS	$103		**Annunciator/Other Function 1:**	TBD
	2nd AMPS (includes FM-VA-3 Module)	$195		**Annunciator/Other Function 2:**	TBD
	Vac	$287		**Annunciator/Other Function 3:**	TBD
	Carb Temp ☐ºF ☐ºC	$164		**Annunciator/Other Function 4:**	TBD
	G-Meter (Does not have Peak Hold feature.)	$495		**Annunciator/Other Function 5:**	TBD
	Hydraulic Pressure ☐psi ☐bar	$407		**Annunciator/Other Function 6:**	TBD
	Horsepower (Requires MP, RPM, EGT)	N/C			
	OAT ☐ºF ☐ºC ☐Both	$164			

** 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.

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Aircraft Tail #: _____

Dimming Control:	[ ] **Dim the CGR as rheostat voltage is increased.** [ ] (Option) CP-1A LED Intensity Control Pot additional $68 charge
	[ ] **Dim the CGR as rheostat voltage is decreased.** [ ] (Option) CP-1A LED Intensity Control Pot additional $68 charge
	[ ] **Add Automatic Dimming Control Sensor (ADC-1).**

AMPS (if selected)	Measurement of: [ ] Battery Current [ ] Alternator Current [ ] Generator [ ] 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)	Measurement of: [ ] Battery Current [ ] Alternator Current [ ] Generator [ ] 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: _____ ($496/sensor)

[ ] E.I. P-300C Capacitive Sensor Quantity: _____ ($456/sensor)

CHT Probe Type (if selected):	[ ] 3/8" - 24 Screw-in (E.I. Model: P-100). Standard in the instrument kit.
For additional probe options contact E.I. Support	[ ] 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 (E.I. Model: P-110R)
	[ ] 1/8" NPT (E.I. Model: P-111)
	[ ] 7/16-20 (E.I. Model: P-112)
	[ ] 1/4" NPT (E.I. Model: P-114)

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 (9 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   Date

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