Electronics International Inc.

CGR-30C Configuration Worksheet

Buy-Ei.com
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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.
☐ Extend to 12 feet cable length (4 cyl: $200 / 6 cyl: $300)
☐ Extend to 20 feet cable length (4 cyl: $400 / 6 cyl: $600)

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

For all orders the following MUST accompany this worksheet:

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 (helpful but not required).**

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.**

Function #	Function	Price	Function #	Function	Price
	RPM (Arc Gauge. Uses 2 locations.)	$98		IAT	$98
	Manifold Pressure (Arc Gauge. Uses 2 locations.)	$150		G-Meter (Does not have Peak Hold feature.)	$495
	Fuel Flow, Gravity Feed, No Fuel Pump	$295		OAT in °F	$98
	Fuel Flow, Aircraft w/Fuel Pump	$295		OAT in °C	$98
	Fuel Flow, Aircraft w/Pressure Carb	$690		Horsepower (Requires MP, RPM, EGT)	N/C
	Fuel Pressure (Must have Fuel Pump)	$195		CDT	$98
	Fuel Pressure for Turbocharged Aircraft	$390		Cabin Pressure	$150
	Tank 1 Fuel Level (each tank counts as a function)	$150		Cabin Differential Pressure	$150
	Tank 2 The first tank is $150, additional tanks are free.			CO Detector (Can only be Function #9 or Above.)	$495
	Tank 3 To monitor more than 4 tanks, contact E.I.			Local Time**	N/C
	Tank 4			Zulu Time**	N/C
	Oil Pressure	$250		Engine Time (Requires RPM)**	N/C
	Oil Temp	$98		Tach Time (Requires RPM)**	N/C
	Volts [ ] 12V [ ] 24V	$39		Flight Time (Requires RPM)	N/C
	AMPS	$39		EGT, Single Channel	$98
	2nd AMPS (includes FM-VA-3 Module)	$195		CHT, Single Channel	$98
	Vac	$150		Annunciator/Other Function 1:	TBD
	Carb Temp	$98		Annunciator/Other Function 2:	TBD
	TIT	$98		Annunciator/Other Function 3:	TBD
	Hydraulic Pressure	$250		Annunciator/Other Function 4:	TBD

** 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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Dimming Control:	☐ **Dim the CGR as rheostat voltage is increased.** ☐ **Dim the CGR as rheostat voltage is decreased.** ☐ **Add Automatic Dimming Control Sensor (ADC-1), additional $49.95.**

AMPS (if selected)	**Measurement of:** ☐ **Battery Current** ☐ **Alternator Current**

☐ 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** ☐ **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 Tank Configuration (if selected)					
Fuel Tank 1 Name:		**Usable Fuel Level:**		**Units:**	
Fuel Tank 2 Name:		**Usable Fuel Level:**		**Units:**	
Fuel Tank 3 Name:		**Usable Fuel Level:**		**Units:**	
Fuel Tank 4 Name:		**Usable Fuel Level:**		**Units:**	

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 _____ ($395/sensor)
☐ E.I. P-300C Capacitive Sensor Quantity _____ ($395/sensor)

CHT Probe Type (if selected):	☐ 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)

I (the undersigned) have entered and verified all of the information listed on this worksheet to be correct and I will supply 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 reconfiguration fee.

I understand there is important safety information in the Installation and Operating Instructions that must be read before installing the CGR-30C and flying the aircraft. **Completed by:** ☐ **Owner** ☐ **Pilot** ☐ **Technician** ☐ **Other** _____

Printed Name	Signature	Date

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