

# INSIGHT ENGINE MONITORS

## GRAPHIC ENGINE MONITOR 602/603/610 UPGRADES



Graphic Engine Monitor - STC'd Single Engine - Normally Aspirated 4 or 6 Cylinder. The GEM 602 is designed for use with all 4 or 6 cylinder piston engine aircraft. The instrument graphically displays up to 12 critical engine temperatures in a single instrument in an easy-to-read bar-graph format on a brilliant plasma display.

Model No.	Part No.	Description	Price
610-C262-U	10-04932	Insight 4C or 6C Upgrade GEM to G2	---
610C-363-U	10-05261	Insight 4C or 6C Upgrade GEM to G3	---
610-C-463-U	10-05267	Insight 4C or 6C Upgrade GEM to G4	---
1210C-063-U	10-04699	Insight 4C or 6C Upgrade Gemini 1200 to G4 Twin	---
1210-C-063-2-U	10-05271	Insight 4C or 6C Upgrade to G4 Twin	---

### GEM PROBES

GEM 602 Wire Harness ..... P/N 10-03576  
 #2870 EGT Probe ..... P/N 2870 ea.  
 #2852 CHT Spring Probe ..... P/N 2852 ea.  
 #2853CHT Gasket Probe ..... P/N 10-00827 ea.  
 #2855 CHT Adapter Probe\* ..... P/N 2855 ea.  
 #2856 CHT Probe\*\* ..... P/N 2856 ea.  
 #1200-015 OAT Cable 10ft ..... P/N 10-05890  
 \*Use with factory spring probe \*\*Use with 3/8 x 24 threaded factory probe

## INSIGHT G3 GRAPHIC ENGINE MONITOR



The original GEM was a solitary player. The G3 instrument has two control knobs that operate combination rotary and push button switches. The top knob in general controls screen selection while the bottom knob controls items within the given screen. Each screen assigns its own functional needs to the controls that may change depending on context. A screen may also label the controls with guidance information like "Push to exit". The

G3 is also designed to expand and grow with the times. Less than half of its true potential has been released at this time. The instrument can be updated to acquire new features by loading the SD card via the internet. Another great feature is why not have the G3 instrument diagnose itself? Then you don't have to disassemble the airplane or even touch the wiring. The probe diagnosis page indications are in green for normal readings and red for readings that fail the criteria set at the bottom of the screen. System Monitors: EGT, CHT, Fuel Flow, RPM, Manifold Pressure O, il Temp/Pressure, OAT, TIT, Carb Temp, HP%, Prop Balance, Clock/Calendar

Description	Part No.	Price
Insight GEM G3 4C Single Engine	10-03195	---
Insight GEM G3 4C Single Engine Dual Turbo	10-05262	---
Insight GEM G3 4C Single Engine Turbo	10-04685	---
Insight GEM G3 6C Single Engine	10-03196	---
Insight GEM G3 6C Single Engine Dual Turbo	10-05263	---
Insight GEM G3 6C Single Engine Turbo	10-04686	---

## INSIGHT G9 GRAPHIC ENGINE MONITOR



Pilot settable lean threshold target. Colored box appears at peak. Lean boxes show temperature of how much lean or rich. Colored boxes show lean or rich. Lean boxes change at lean threshold. Fuel flow guidance for leaning. Fuel flow at each cylinder peak (GAMI SPREAD). In-flight exhaust valve analysis. EGT temperature bars with numbers. CHT temperature bars with number, yellow warning and redline. TIT temperature bar with number, yellow warning and redline.

## INSIGHT G1 SINGLE ENGINE COLOR MONITOR - COMPLETE SYSTEM



Single Engine - 2.25 Bezel. Protect Your Engine By: • Saving Fuel On Every Flight By Leaning Accurately And Safely • Revolutionary New Leaning Process • See Lean Peak In Order And Temperature Spread • Seeing Simultaneous EGT, CHT, TIT Bars And Temperatures • Save Time Trouble-Shooting • Continuous Probe Diagnosis That Confirms System Integrity • Extensive List Of Primary Approved Aircraft Models • SD Card Software Updates • FAA & TC Primary STC • EGT, CHT, & TIT

Also available with Carburetor Temperature and/or for G1 Field Update Kit, see Accessories.

Description	Part No.	Price
Insight G1 4C Single Engine	10-04916	---
Insight G1 4C Single Engine Turbo	10-04918	---
Insight G1 6C Single Engine Turbo	10-04919	---

## INSIGHT G2 SERIES SINGLE ENGINE COLOR MONITOR - COMPLETE SYSTEM

G2 Series Single Engine Color Monitor - Complete System - 2.25 Bezel Save Fuel, Save Money, Save Your Engine! Affordable Engine Monitoring you can't afford to be without.

Top reasons to install a G2: • Best lean of peak process in the industry • The only nozzle balance analysis, the key to lean of peak • The only probe diagnostic scree • Comprehensive data log - windows files SD card • Over the web software updates - constant improvement • GEM plug compatible - easy install • Best technical support

Description	Part No.	Price
Insight G2 4C Single Engine	10-04924	---
Insight G2 4C Single Engine Turbo	10-04927	---
Insight G 6C Single Engine	10-04926	---
Insight G 6C Single Engine Turbo	10-04928	---

## G4 GRAPHIC ENGINE MONITOR



The original GEM was a solitary player. The G4 will operate standalone too but will also interface with other data sources and report information to other instruments like MFD's. All of the devices the G4 connects to today didn't exist in '79. The G4 is also designed to expand and grow with the times. Less than half of its true potential has been released at this time. The instrument can be updated to acquire new features by loading the SD card via the internet. The G4 update takes only a second while the instrument remains mounted in the airplane.

Single Engine		
Description	Part No.	Price
Insight G4 4C Single Engine	10-04687	---
Insight G4 4C Single Engine Turbo	10-05264	---
Insight G4 4C Single Engine Dual Turbo	10-05265	---
Insight G4 6C Single Engine Dual Turbo	10-05266	---
Insight G4 6C Single Engine	10-04688	---
Insight G4 6C Single Engine Turbo	10-04689	---
Twin Engine		
Description	Part No.	Price
Insight G4 4C Twin Engine	10-04690	---
Insight G4 4C Twin Engine Turbo	10-04692	---
Insight G4 4C Twin Engine Dual Turbo	10-05268	---
Insight G4 6C Twin Engine	10-04691	---
Insight G4 6C Twin Engine Turbo	10-04693	---
Insight G4 6C Twin Engine Dual Turbo	10-05269	---

Description	Part No.	Price
Insight 7 Cylinder G9	10-06229	---
Insight 8 Cylinder G9	10-06230	---
Insight 8 Cylinder G9	10-06231	---
Insight 8 Cylinder G9	10-06232	---
Insight 9 Cylinder G9	10-06233	---
Insight 9 Cylinder G9	10-06234	---
Insight 14 Cylinder	10-06235	---