Gauges / Meters / Annunciators available for the AG6

This document is intended to be a quick summary of the gauges, meters, and annunciator points available for the AG6. It also details some of it's alarm features. This document may not contain all screens to date. This is because we will be adding more alarms and screens as they are suggested to us. Please contact us if you feel we can add an alarm or screen for your application. (www.aircraftextras.com)

6 Inputs vs 16 Screens

The AG6 will accept up to 6 inputs, but it can be programmed for up to 16 screens. The reason for this is simple. This allows the user to program multiple meters, gauges, and/or annunciators to read the same input signal. For instance, if you desire to display a simple fuel gauge that will give you a low fuel warning, and you also want to display an annunciator warning screen when you reach the <30 minute fuel remaining mark, you can program both of these screens to read the same signal. You can program both screens to read the same input signal. The two screens will operate independently, even though they obtain their information from the same input signal.

Definitions

Meter – The screen displays a numeric representation of the quantity. The screen color will also represent what zone the input signal is within. When there is an alarm or caution condition, the screen will display the correct "Alarm condition" as defined below. No additional text will be displayed, just the meter.

Gauge – The screen depicts a digital representation of a gauge indicating the actual quantity. The screen color will also represent what zone the input signal is within. When there is an alarm or caution condition, the screen will display the correct "Alarm condition" as defined below. No additional text will be displayed, just the gauge.

Annunciator – The annunciator continuously displays text representing what zone the input signal is within. There may be 1, 2, or 3 screens or zones displaying different text. The screen color will also represent what zone the input signal is within. When there is an alarm or caution condition, the screen will display the correct "Alarm condition" as defined below.

Alarm condition – is a condition when the screen color represents an alarm condition (RED). Green=OK, Yel=caution, Red=alarm condition. When the AG6 sounds an alarm, the input signal has remained in the alarm zone longer than the alarm dwell time. Upon reaching a valid alarm condition, the unit will flash or blink Red until the pilot acknowledges it using the push button. The display will then be solid Red. If the input signal exits the alarm zone, the screen changes color according to what zone the input signal is in.

NOTE 1: *The "2 screen annunciators" can be programmed to ONLY display during an alarm condition. If desired, they can be programmed so they do not appear during a manual or automatic scan, but only appear when there is a valid alarm. In other words, the user can program the "OK" condition not to ever appear. ALSO, The "2 screen" annunciators can be programmed to alarm in the opposite direction even though we depict the red and green only one way.*

	ALARM ZONE 1	ALARM ZONE 2	ALARM ZONE 3	ALARM ZONE 4	ALARM ZONE 5
Oil Level Gauges					
Linear Oil Level Gauge	Low Oil Level	Oil OK			
Linear Oil Level Gauge	Low Oil Level	Caution Low Oil Lev.	Oil Level OK		
Fuel Gauges					
Radial Fuel Gauge - Plain	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Radial Fuel Gauge - Circle w L	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Radial Fuel Gauge - Circle w R	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Radial Fuel Gauge - Circle w C	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Radial Fuel Gauge - Circle w H	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Linear Fuel Gauge – Plain	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Linear Fuel Gauge - Circle w L	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Linear Fuel Gauge - Circle w R	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Linear Fuel Gauge - Circle w C	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Linear Fuel Gauge - Circle w H	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Volt Meters					
Volts Meter w Alarms	Low Volts	Volts OK	High Volts		
Volts Meter w Alarms	Volts OK	Caution High Volts	High Volts		
Volts Meter w Alarms	Low Volts	Caution Low Volts	Volts OK		
Volts Meter w Alarms	Low Volts	Caution Low Volts	Volts OK	Caution High Volts	High Volts
Amps (or Current) Meters					
Amp Meter, 50mV=10A, 1 decimal point	Current OK	High Current			
Amp Meter, 50mV=30A, 1 decimal point	Current OK	High Current			
Amp Meter, 50mV=50A, 1 decimal point	Current OK	High Current			
Amp Meter, 50mV=60A, 1 decimal point	Current OK	High Current			
Amp Meter, 50mV=70A, 1 decimal point	Current OK	High Current			
Amp Meter, 50mV=80A, 1 decimal point	Current OK	High Current			
Amp Meter, 50mV=100A, 1 decimal point	Current OK	High Current			
Amp Meter, 50mV=100A, 0 decimal point	Current OK	High Current			
Amp Meter, 50mV=120A, 1 decimal point	Current OK	High Current			
Amp Meter, 50mV=120A, 0 decimal point	Current OK	High Current			
Amp Meter, 50mV=150A, 0 decimal point	Current OK	High Current			
Amp Meter, 50mV=180A, 0 decimal point	Current OK	High Current			
Amp Meter, 50mV=200A, 0 decimal point	Current OK	High Current			
Amp Meter, 50mV=300A, 0 decimal point	Current OK	High Current			
Amp Meter, 100mV=10A, 1 decimal point	Current OK	High Current			
Amp Meter, 100mV=30A, 1 decimal point	Current OK	High Current			
Amp Meter, 100mV=50A, 1 decimal point	Current OK	High Current			
Amp Meter, 100mV=60A, 1 decimal point	Current OK	High Current			
Amp Meter, 100mV=70A, 1 decimal point	Current OK	High Current			
Amp Meter, 100mV=80A, 1 decimal point	Current OK	High Current			
Amp Meter, 100mV=100A, 1 decimal point	Current OK	High Current			
Amp Meter, 100mV=100A, 0 decimal point	Current OK	High Current			
Amp Meter, 100mV=120A, 1 decimal point	Current OK	High Current			
Amp Meter, 100mV=120A, 0 decimal point	Current OK	High Current			
Amp Meter, 100mV=150A, 0 decimal point	Current OK	High Current			
Amp Meter, 100mV=180A, 0 decimal point	Current OK	High Current			
Amp Meter, 100mV=200A, 0 decimal point	Current OK	High Current			
Amp Meter, 100mV=200A, 1 decimal point	Current OK	High Current			
Amp Meter, 100mV=300A, 0 decimal point	Current OK	High Current			
Amp Meter, 50mV=10A, 1 decimal point	Current OK	High Current			
Amp Meter, 50mV=30A, 1 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=50A, 1 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=60A, 1 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=70A, 1 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=80A, 1 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=100A, 1 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=100A, 0 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=120A, 1 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=120A, 0 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=150A, 0 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=180A, 0 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=200A, 0 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 50mV=300A, 0 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 100mV=10A, 1 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 100mV=30A, 1 decimal point	Current OK	Caution High Current	High Current		
Amp Meter, 100mV=50A, 1 decimal point	Current OK	Caution High Current	High Current		

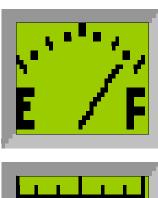| Amps (or Current) Meters (continued)	ALARM ZONE 1	ALARM ZONE 2	ALARM ZONE 3
Amp Meter, 100mV=60A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=70A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=80A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=100A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=100A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=120A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=120A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=150A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=180A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=200A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=200A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=300A, 0 decimal point	Current OK	Caution High Current	High Current

ANNUNCIATORS (2 screens, 2 zone)

High Voltage	Voltage OK	High Voltage	see NOTE 1
Low Voltage	Low Voltage	Voltage OK	see NOTE 1
<30 Minute Fuel	<30Min. Fuel	Fuel OK	see NOTE 1
<45 Minute Fuel	<45Min. Fuel	Fuel OK	see NOTE 1
High Fuel Pressure	Fuel Pressure OK	High Fuel Pressure	see NOTE 1
Low Fuel Pressure	Low Fuel Pressure	Fuel Pressure OK	see NOTE 1
Low Fuel	Low Fuel	Fuel OK	see NOTE 1
Fuel Pump On	Fuel Pump Off	Fuel Pump On	see NOTE 1
Oil Pressure	Oil Press. OK	High Oil Press.	see NOTE 1
Oil Pressure	Low Oil Press.	Oil Press. OK	see NOTE 1
Landing Gear Position	Gear Down	Gear Up	see NOTE 1
Landing Gear Locked	Gear Locked	Gear UnLocked	see NOTE 1
Cowl Flaps	Cowl Flaps Closed	Cowl Flaps Open	see NOTE 1
Canopy	Canopy Closed	Canopy Open	see NOTE 1
Circuit Breaker	Circuit Breaker Open	Circuit Breaker Closed	see NOTE 1
Stall Warning	Stall Warning	No Stall	see NOTE 1
Flaps	Flaps Down	Flaps Up	see NOTE 1
Flaps Over Speed	Flaps OK	Flaps Over Speed	see NOTE 1
Vacuum	Vacuum OK	High Vacuum	see NOTE 1
Vacuum	Low Vacuum	Vacuum OK	see NOTE 1
Low Current	Low Current	Current OK	see NOTE 1
High Current	Current OK	High Current	see NOTE 1
Carburetor Ice	Carb. Ice	Carb. Temp. OK	see NOTE 1
Carburetor High Temp	Carb. Temp. OK	High Carb. Temp.	see NOTE 1
Exhaust Gas	Exhaust Gas Temp. OK	High Exhaust Temp.	see NOTE 1
Cabin Fire	Cabin Fire	No Fire	see NOTE 1
Engine Fire	No Fire	Engine Fire	see NOTE 1
Low Manifold Pressure	Low Manif. Press.	Manif. Press. OK	see NOTE 1
High Manifold Pressure	Manif. Press. OK	High Man. Press.	see NOTE 1
Starter	Starter OK	Starter On	see NOTE 1
RPM	RPM OK	High RPM	see NOTE 1
High Speed	Speed OK	High Speed	see NOTE 1
Low Speed	Low Speed	Speed OK	see NOTE 1
Low Oil Temp	Low Oil Temp.	Oil Temp. OK	see NOTE 1
High Oil Temp	Oil Temp. OK	High Oil Temp.	see NOTE 1
Low Oxygen Flow	Low Oxygen Flow	Oxygen Flow OK	see NOTE 1
Low Oxygen Pressure	Low Oxygen Press.	Oxygen Press OK	see NOTE 1
High Altitude	Altitude OK	High Altitude	see NOTE 1
Low Altitude	Low Altitude	Altitude OK	see NOTE 1
OAT Ice Warning	OAT Ice Warning	OAT OK	see NOTE 1
CO Warning	No CO	CO Warning	see NOTE 1
Low Tire Pressure	Low Tire Pressure	Tire Pressure OK	see NOTE 1
Door Annunciator	Door Closed	Door Open	see NOTE 1
Baggage Door	Bagg. Door Closed	Bagg. Door Open	see NOTE 1
Oil Door Open	Oil Door Closed	Oil Door Open	see NOTE 1
Low Oil Level	Low Oil Level	Oil Level OK	see NOTE 1
High Cylinder Temp.	Cyl. Head Temp. OK	High Cylinder Temp.	see NOTE 1
Alternator	ALT	ALT. OK	see NOTE 1

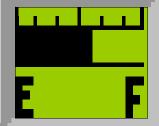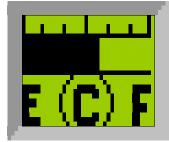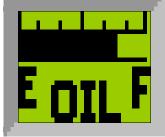| ANNUNCIATOR (3 screens, 3 zone)	ALARM ZONE 1	ALARM ZONE 2	ALARM ZONE 3	
High&Low Voltage	Low Voltage	Voltage OK	High Voltage	see NOTE 1
Low&High Oil Pressure	Low Oil Press.	Oil Press. OK	High Oil Press.	see NOTE 1
Low&High Fuel Pressure	Low Fuel Press.	Fuel Press. OK	High Fuel Press.	see NOTE 1
Low&High Current	Low Current	Current OK	High Current	see NOTE 1
Low&High Carburator Temperature	Carb. Ice	Carb. Temp OK	High Carb. Temp.	see NOTE 1
Low&High Manufold Pressure	Low Manif. Press.	Manif. Press. OK	High anif. Press.	see NOTE 1
Bad RPM	RPM OK	Bad RPM	RPM OK	see NOTE 1
Low&High RPM	Low RPM	RPM OK	High RPM	see NOTE 1
Low&High Speed	Low Speed	Speed OK	High Speed	see NOTE 1
Low&High Oil Temperature	Low Oil Temp.	Oil Temp. OK	High Oil Temp.	see NOTE 1
Low&High Altitude	Low Altitude	Altitude OK	High Altitude	see NOTE 1
Low&High Vacuum	Low Vacuum	Vacuum OK	High Vacuum	see NOTE 1

E F

E (L) F

E (R) F

E (C) F

E (H) F

E F

E (L) F

E (R) F

E (C) F

E (H) F

VOLTS 12.50

AMPS 35.5

E OIL F

GEAR DOWN

GEAR UP

LOW OIL P.

HIGH CHT

HIGH OIL P.

GEAR LOCKD

GEAR UNLOK

FUEL PMP. OF	FUEL PMP. ON	LOW FUEL	FUEL OK	< 30 M. FUEL
< 45 M. FUEL	↑FUEL PRESS.	↓FUEL PRESS.	COW.FL CLOSD	COW.FL OPEN
CANPY CLOSD	CANPY OPEN	CKT.BR OPEN	CKT.BR CLOSD	STALL WARN
FLAPS DOWN	FLAPS UP	FLAPS SPEED	LOW VACUM	HIGH VACUM

LOW VOLTS	HIGH VOLTS	LOW CURR.	HIGH CURR.	CARB. ICE
CARB. TMP.HI	HIGH EGT	CABIN FIRE	ENGIN FIRE	↓ MAN. PRESS.
↑ MAN. PRESS.	STRTR ON	HIGH RPM	BAD RPM	LOW RPM
HIGH SPEED	LOW SPEED	LOW OIL T.	HIGH OIL T.	LOWOX FLOW

LOW OX PRESS	LOW ALTI.	HIGH ALTI.	ALTI. OK	OAT ICE
CO WARN	↓TIRE PRESS	DOOR CLOSD	DOOR OPEN	BAG.DR OPEN
OIL DR. OPEN	LOW OIL LEV	ALT.	ALT. OK	