

Engine Instrument Markings & Annunciations

The following describes the engine instrument markings. Associated Warning and Caution Annunciations are shown in capitalized text.

PowerPlant

Instrument (Range & Units)	Red Arc/Bar	Yellow Arc/Bar	Green Arc/ Bar	Yellow Arc/ Bar	Red Arc/Bar
	Lower Warning Range	Minimum Caution Range	Normal Range	Maximum Caution Range	Upper Warning Range
Cylinder Head Temperature (100°F – 500°F)	—	—	240 – 420	420 – 460 CHT	> 460 CHT
Engine Speed (0 – 3000 RPM)	—	—	500 – 2700	—	> 2700* RPM
Exhaust Gas Temperature (500°F – 1750°F)	—	—	1000–1600	—	—
Manifold Pressure (10 – 35 Inch Hg)	—	—	15 – 29.5	—	—
Oil Pressure (0 – 100 PSI)	0 – 10** OIL PRESS	10 – 30** OIL PRESS	30 – 60	60 – 100	> 100** OIL PRESS
Oil Temperature (75°F – 250°F)	—	—	100 – 240	—	> 240 OIL TEMP
Percent Power (0 – 100%)	—	—	0 – 100	—	—

*Engine Speed Warning when RPM between 2710 and 2730 for more than 10 seconds OR when RPM greater than 2730 for more than 5 seconds.

**Oil Pressure Caution when oil pressure is between 10 and 29 psi and RPM is greater than 1000. Oil Pressure Warning when oil pressure is below 10 psi, OR oil pressure is above 100 psi.

Fuel

Instrument (Range & Units)	Red Arc/Bar	Yellow Arc/Bar	Green Arc/Bar	Yellow Arc/Bar	Red Arc/Bar
	Minimum	Minimum Caution Range	Normal Range	Maximum Caution Range	Maximum
Fuel Flow ^a (0 – 30 U.S. Gal/Hr)	—	—	0 – 30	—	—
Fuel Totalizer (U.S. Gallon)	N < 9 FUEL QTY	9 – 18	> 18	—	—
Fuel Quantity Gage ^b (0 – 46 U.S. Gallon)	0	10 – 14	—	—	—
Fuel Quantity Gage ^c (0 – 46 U.S. Gallon)	0	10 – 14	14 – 46	—	—

^aSerials w/ Perspective System software load 0764-02 and later: Dynamically changes based on engine parameters.

^bSerials 3026 thru 3848.

^cSerials 3849 and subs.

Electrical

Instrument (Range & Units)	Red Arc/Bar	Yellow Arc/Bar	Green Arc/Bar	Yellow Arc/Bar	Red Arc/Bar
	Minimum	Minimum Caution Range	Normal Range	Maximum Caution Range	Maximum
Essential Bus Volts (0 – 36 Volts)	0 – 24.4 ESS BUS	—	24.5 – 32	—	> 32 ESS BUS
Main Bus 1 Voltage (0 – 36 Volts)	—	0 – 24.4 M BUS 1	24.5 – 32	—	> 32 M BUS 1
Main Bus 2 Voltage (0 – 36 Volts)	—	0 – 24.4 M BUS 2	24.5 – 32	—	> 32 M BUS 2
Alternator 1 Current (0 – 100 Amps)	—	—	2 – 100	0 – 1 ^d ALT 1	—
Alternator 2 Current (0 – 70 Amps)	—	—	2 – 100	0 – 1 ^d ALT 2	—
Battery 1 Current (-59 to 59 Amps)	—	—	-4 – 59	-59 to -5 ^e BATT 1	—

^d20 second delay.

^e30 second delay.