



US-8A, STCd / PMA'd, ULTIMATE ENGINE ANALYZER

Simultaneously displays EGT and CHT for Singles. (For Twins, call for model designation). May require two US-8As, depending on your requirements). Automatic Diagnostic Assist helps diagnose engine problems such as fouled plugs, burned valves, intake leaks, low compression, etc. Impressive Features Include: Auto Scan up to 16 temperature channels, Reprogrammable Temp Limits From the Front Panel (unavailable on competition's gauges in this category), Auto Detection of hottest EGT and hottest CHT + pilot-programmed Over-Temp and Under-Temp limits!, Programmable Scan Rate for each channel displayed (rather than competition making that decision for you). One Degree, STEADY Resolution! Only 6lbs., Standard 2-1/4" hole (or use an EI adaptor plate for 3-1/8" holes) Choose up to 16 probes (w/ cables): EGT, CHT, OAT, Carb Temp, Oil Temp

SINGLE-ENGINE US-8A PKG PRICES

Model	Description	Part No.	Price
US-8A-4	4-cylinder engines without a Primary CHT gauge already installed. Includes 4 EGT probes, 4 CHT probes and 8 ea 6-ft harnesses	10-00595	.
US-8A-4G	4-cylinder pkg for a/c w/ Primary CHT gauge already installed. Includes 4 EGT probes, 3 CHT probes, 1 P-102 Piggy Back CHT probe and 8 ea 6 ft harnesses	10-03283	.
US-8A-6	6-cylinder pkg for a/c without a Primary CHT gauge already installed. Includes 6 EGT probes, 6 CHT probes & 12 ea 6-ft harnesses	10-00596	.
US-8A-6G	6-cylinder pkg for a/c with a Primary CHT gauge already installed. Includes 6 EGT probes, 5 CHT probes, 1 P-102 Piggy Back CHT probe and 12 ea 6-ft harnesses	10-03284	.
NOTE: The UBG-16 can accommodate to 16 probes (w/ cables): EGT, CHT, OAT, Carb Temp, and / or Oil Temp			
TWIN-ENGINE US-8A PKG PRICES:			
US-8A-4T	4-cylinder Twin pkg for a/c without Primary CHT gauges already installed. 4 EGTs L&R and 4 CHTs L&R. Includes 8 EGT probes, 8 CHT probes and 16 ea 20-ft harnesses.	10-00597	.
US-8A-4G-T	4-cylinder Twin pkg for a/c with Primary CHT gauges already installed. 4 EGTs L&R and 4 CHTs L&R. Includes 8 EGT probes, 6 CHT probes, 2 P-102 Piggy Back CHT probes and 16 ea 20-ft harnesses.	10-00602	.
US-8A-6-T	6-cyl Twin pkg (scans all EGTs L&R + 2 CHTs L&R). Includes 12 EGT probes (for 6 channels of EGT on both engines), 4 gasket CHT probes (for 2 channels of CHT on each engine), plus 16 ea 20-ft harnesses. (For more than 12 EGTs and 2 CHTs L&R, + add'l temps, order 2 US-8As)	10-00598	.



SR-8A ENGINE ANALYZER

STCd, PMA'd - EGT's, CHT's TIT, Oil Temp, OAT, Carb. Temp + others, up to 8 channels. Manual and Auto Diagnostics (Scan) Modes. Auto Detects the hottest EGT or CHT. Factory-set EGT Over-Temp Limit (1650°F). Factory-set EGT Under-Temp Limit (1100°F). Factory-set CHT Over-Temp Limit (500°F). Differential Limit set from back panel (95°F or 195°F). Selectable Scan Rate + Number of Channels to be Scanned. 2 1/4" Mount. 5.35" Depth. 16 Oz. Instrument. 1° F Resolution. Accuracy; 1/2%. Superior Sunlight Viewability. Backlit. Operates from 7.5 to 35 volts @at .3 amps.

Model	Description	Part No.	Price
SR-8A	SR-8A Instrument only (no probes or cables)	10-25220	.
SR-8A-4	4 Cyl. SR-8A Package w/ 4 p-110 EGT probes, 4 P-100 CHT probes, 8 ea 6' Cables (uses all 8 inputs)	10-00599	.
SR-8A-6	6 Cyl. SR-8A Package w/ 6 P-110 EGT probes, 2 P-100 CHT probes, 8 ea 6' Cables (uses all 8 inputs)	10-00603	.



UBG-16 ULTIMATE BAR GRAPH ENGINE ANALYZER

STCd and PMA'd - Automatically helps detect engine problems before they become safety hazards or expensive repairs! • 32 PILOT-PROGRAMMABLE LIMITS provide a High and Low Alarm for EACH of the UBG's 16 channels! • NORMALIZED MODE with LONG-TERM MEMORY. • LEAN MODE with "TRUE PEAK DETECT" • DATA RECORDING with UNIQUE EXPANDABLE CAPABILITY. Stores up to 690 hours of data for every channel being monitored on the UBG-16. The UBG-16 can be set up to monitor: EGT, CHT, TIT, Oil, Outside Air, Carburetor, cowl and other temperatures. As well as Oil, Fuel, Manifold Pressure, Gyro Vacuum, R.P.M, and fuel flow, Bus voltage and Amps.

Model	Description	Part No.	Price
UBG-16-4M	4-Cylinder Package. Includes 4 EGT probes, 4 CHT probes, 12 ea 6' harnesses and Data Recorder (MUX-8A)	10-00593	.
UBG-16-6M	6-Cylinder Package. Includes 6 EGT probes, 6 CHT probes, 12 ea 6' harnesses, and Data Recorder (MUX-8A)	10-00594	.
EGView	Software for analyzing downloaded software	10-01219	.

E.I. DIGITAL/GRAPHIC INSTRUMENTS

These Digital/Graphic Instruments are solid state and hold their accuracy over time and a range of environmental conditions. The colorful Graphic Analog display emits green, yellow, or red lights enabling the pilot to spot problems immediately without interpreting a needle. Gauges mount in 2-1/4" instrument holes.



TACHOMETER - R-1, TACHOMETER: STCd, PMA'd and TSO'd as PRIMARY REPLACEMENT. Features a 210 degree graphic analog display with green, yellow, and red LEDs. Accurate 10 RPM resolution digital display. Flight Timer. Tach Timer. Peak RPM Recorder. Automatic Mag Drop Calculation. Connects to both "P" leads through isolators (no magnetic pick-ups required). 2 1/4" Mount. 3.65" Depth. 10 Oz. Unit. Superior sunlight viewability. Backlit. Operates from 7.5 to 30 volts @ .3 amps. Note: This instrument may come with labels on the faceplate rather than silkscreening, depending on you're a/c's required markings..

P/N 10-25200



OIL PRESSURE/TEMPERATURE - OPT-1, OIL TEMP/PRESSURE: STCd, PMA'd and TSO'd as PRIMARY REPLACEMENT. OPT-1 features dual 90 degree graphic analog displays w/ green, yellow, and red LEDs. Accurate to 1 PSI and 1°F Resolution. External Oil Press and Temp Transducers (no oil in the cockpit). 2 1/4" Mount. 3.65" Depth. 22 Oz. Kit. Superior sunlight viewability. Backlit. Operates from 7.5 - 35 volts @ .3 amps. Note: This instrument may come with labels on the faceplate rather than silkscreening, depending on you're a/c's required markings.

P/N 10-25205



MANIFOLD PRESSURE - M-1, MANIFOLD PRESSURE. STCd, PMA'd & TSO'd as PRIMARY REPLACEMENT. 210 degree graphic analog display w/ green, yellow, and red LEDs. Accurate 1" Mercury Resolution digital display. Connects to std pressure line through 1/4" male flare union. 2 1/4" Mount. 3.65" Depth. 13 Oz. Unit. Viewable in direct sunlight. Backlit.. Operates from 7.5 to 30 volts @ .3 amps. Note: This instrument may come with labels on the faceplate rather than silkscreening, depending on you're a/c's required markings.

P/N 10-25210



VOLTS/AMPS - VA-1A, VOLTS/AMP. STCd, PMA'd as PRIMARY REPLACEMENT. Internal Shunt. Discharge @ High Voltage Warning Lights. 100 amp capability. .1 volt & .1 amp 1% Resolution. Accuracy: 2 1/4" Mount. 2.5" Depth. 9 Oz. Unit. Viewable in direct sunlight. Backlit. Operates from 7.0 to 40 volts @ .1 amp.

P/N 10-00809VA-1A (internal shunt)

VA-1A-XX, VOLTS/AMP - STCd, PMA'd as PRIMARY REPLACEMENT. (For use with External Shunt. Discharge and High Voltage Warning Lights. 100 amp capability (or order VA-1A-300 for 300-amp capability). .1 volt and .1 amp Resolution. Accuracy: 1%. 2 1/4" Mount. 2.5" Depth. 9 Oz. Unit. Superior sunlight viewability. Backlit. Operates from 7.0 to 40 volts @ .1 amp.

P/N 10-01378VA-1A-50 (S-50 external shunt)

P/N 10-01394VA-1A-300 (S-300 external shunt)

P/N 10-03207RSVA-3 Remote Switch

The UBG-16 input channels. Any of the following options can be added at any time. Each option uses 1 input channel unless otherwise noted.

Model	Description	Part No.	Price
FM -FLOW -60	Flow Transducer Use w/ engine-driven fuel pumps up to 350 HP. 1/4" female NPT. .6-70+ GPH, .6 PSI drop @ 30 GPH, 2.3 PSI drop @ 60 GPH	10-25343	.
FM -FLOW -90	TRANSDUCER For 350 to 550 HP engines or gravity-feed engines, 1/4" NPT, 2 to 125+ GPH, .05 PSI drop @ 20 GPH, .2 PSI drop @ 40 GPH.	10-02208	.
FM-FP	Secondary Fuel Pressure Includes PT-30GA Pressure Transducer. (Can be used with The UBG-16 and also with the FP-5L (Fuel Flow/Pressure w/ GPS Interface instrument)	10-25337	.
FM-OP	Secondary Oil Pressure Includes PT-100GA Pressure Transducer. (For use with UBG-16 or FP-5(L).	10-25336	.
FM-RPM	Secondary RPM Connects directly to the Mag Switch. (For use with UBG-16 or FP-5(L)	10-25341	.
FM-VA	Secondary Volts/Amps w/S-50 Shunt Volts uses 1 input channel and Amps uses 1 input channel (i.e., monitoring volts and amps require the use of two of the UBG-16's input channels.	10-25342	.
FM-GYRO	Gyro Vacuum Includes Pressure Transducer.	10-25339	.
FM-MP	Secondary Manifold Pressure Includes Pressure Transducer.	10-25338	.

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