

ELECTRONICS INTERNATIONAL INSTRUMENTS



UBG-16 ULTIMATE BAR GRAPH ENGINE ANALYZER

UBG-16 features include: Sixteen input channel capability. Any channel may be set to display EGTs and CHTs, TIT, and Oil Temp in either digital or bar graph display, O.A.T, Carb. Temp, Cowl Temp, Other Temp, Oil Pressure, Fuel Pressure, Manifold Pressure, Gyro Pressure, R.P.M., Fuel flow, Bus Voltage or Amps. Engine Analysis is performed automatically with sixteen pilot programmable Over-Temp limits and sixteen Under-Temp limits, a differential limit and a shock-cooling limit. Note: Unit is STC'd/PMA'd. Can only be used as a secondary engine monitor. For primary see the MVP-50.

| Model | Description | Part No. | Price |
|---------------|---------------------------------------------------------------------------------------------------------|----------|------------|
| UBG-16-4M | 4-Cylinder Package. Includes 4 EGT probes, 4 CHT probes, 8 ea 6' harnesses and Data Recorder (MUX-8A) | 10-00593 | \$1,488.00 |
| UBG-16-6M | 6-Cylinder Package. Includes 6 EGT probes, 6 CHT probes, 12 ea 6' harnesses, and Data Recorder (MUX-8A) | 10-00594 | \$1,888.00 |
| EGView | Software for analyzing downloaded software | 10-01219 | \$125.00 |
| Remote | UBG-16 Remote Head option. Must be purchased at the same time as the UBG-16 | 10-02763 | \$113.75 |
| UBG-16-4G-MEM | Electronics International Ubg-16 Engine Analyzer 4 Cylinder CHT Prime | 10-01048 | \$1,488.00 |
| UBG-16-6G-MEM | Electronics International Ubg-16 Engine Analyzer 6 Cylinder CHT Prime | 10-01049 | \$1,888.00 |
| UBG-16 | UBG-16 Unit Only | 10-02737 | \$959.00 |
| UBG-16-REMOTE | EGT & CHT Remote Head Option 2-14" TSO'D. Must be purchased with unit. Cannot be purchased alone. | 10-02763 | \$113.75 |

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 | Options | Part No. | Price |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| FM-FLOW-180 | FT-180: Fuel Flow Transducer (for very high flow rates), Stainless Steel, 3/4 - 16 (1/2" AN Male w/ 37' flare) 3.6 to 180 GPH, 1.78 PSI drop at 120 GPH, K Factor approx. 48,000, 9.6 Oz. | 10-02764 | \$497.00 |
| 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 | \$329.95 |
| 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 | \$349.00 |
| FM-FLOW-P | FM-FLOW-P | 10-03206 | \$348.95 |
| 10-0FM-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 | \$249.00 |
| FM-GYRO | Gyro Vacuum Includes Pressure Transducer | 10-25339 | \$224.95 |
| FM-MP | Secondary Manifold Pressure Includes Pressure Transducer | 10-25338 | \$224.95 |
| FM-OP | Secondary Oil Pressure Includes PT-100GA Pressure Transducer. (For use with UBG-16 or FP-5(L) | 10-25336 | \$224.95 |
| FM-RPM-4C | Secondary RPM Connects directly to the Mag Switch. (For use with UBG-16 or FP-5(L) | 10-04818 | \$224.95 |
| FM-RPM-6C | Secondary RPM Connects directly to the Mag Switch. (For use with UBG-16 or FP-5(L) | 10-01786 | \$221.95 |
| FM-TEMP-P-110 | Egt Clamp Probe, 6 Cable | 10-02188 | \$215.95 |
| FM-TEMP-P-111 | Tit or Oil Temp Probe, 1/8 Npt, With Function Module | 10-02765 | \$249.00 |
| FM-TEMP-P-112 | Tit or Oil Temp Probe, 7/16-20 Thread 6 Cable | 10-02766 | \$249.00 |
| FM-TEMP-P-114 | Tit or Oil Temp Probe, 1/4" NPT 6 Cable | 10-02767 | \$249.00 |
| FM-TEMP-P-120 | Oil Temp Probe, 5/8-18 Thread 6 Cable | 10-02770 | \$249.00 |
| FM-TEMP-P-128 | OAT or Carb Temp Probe 1/4-28 Thread 6 Cable | 10-02769 | \$249.00 |
| 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 | \$209.95 |
| FM-VA-3 | MVP and UBG Option 3 Input Volt Monitor | 10-04841 | \$179.00 |
| KEYSPAN | Keyspan Serial To USB Adapter | 10-04978 | \$43.75 |

E.I. INSTRUMENTS



10-01355



10-01339



10-01348



10-01373

The entire line of Electronics International digital instruments offers precise readings at exceptional prices. All gauges are accurate to 1%. They are FAA-approved under STC No. 1626NM. Furnished complete with all probes & leads.

| Single Engine | Description | Part No. | Price |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| E-1 | Single-Channel EGT or CHT, STCd, TSOd, | 10-01355 | \$299.00 |
| C-1 | PMA'd 2 1/4" Mount, 2.5" Depth, 12 oz. Kit | 10-01338 | \$285.00 |
| T-1P | EGT, CHT or TIT, PRIMARY REPLACEMENTS | 10-01373 | \$307.95 |
| E-1P | STCd, TSO'd, PMA'd w/ Over-Temp Warning Light, 2 1/4" Mount, 2.5" Depth, 12 oz. | 10-02762 | \$319.95 |
| C-1P | | 10-01339 | \$319.95 |
| EC-1 | Switchable from EGT to CHT (1 of ea), STCd, TSOd & PMAd. 2 1/4" Mount, 2.5" Depth, 16 oz | 10-01358 | \$374.00 |
| EAC-1 | STCd, TSOd, PMAd. - EGT/OAT/CHT Ice Zone Warning Light (from 10 to 39 degrees Celsius) | 10-00806 | \$425.00 |
| CA-1 | STCd, TSOd, PMAd - CARB TEMPO/OAT w/Ice Zone Warning Light. (from 10 to 39 degrees Celsius) | 10-01351 | \$346.00 |
| A-1 | OAT w/ Ice Zone Warning Light, STCd, PMAd, TSOd (light comes on between 10 and 39 degrees F). | 10-01307 | \$259.00 |
| E-4 | EGT and CHT instruments, STCd, TSOd | 10-01356 | \$559.00 |
| C-4 | and PMAd. Four Channels (EGT or CHT) | 10-01348 | \$559.00 |
| E-6 | EGT and CHT instruments, STCd, TSOd | 10-01357 | \$649.00 |
| C-6 | and PMAd Six Channels | 10-01350 | \$649.00 |
| EC-1P | 3-1/8" EC-1P One Channel EGT/CHT Primary | 10-00807 | \$514.00 |
| TC-1P | TC-1P Single Channel TIT/CHT Primary | 10-02736 | \$505.00 |
| FOR TWINS - Orders for following instruments MUST specify type of probes: EGT hose clamp, TIT (hose clamp, 1/8" NPT, 1/4" NPT or 7/16 x 20). CHT, and OverTemp Limits. | | | |
| EE-1P | Dual Display EGT (1 L & 1 R), Over-Temp Lights, 3-1/8" mount | 10-01447 | \$619.00 |
| CC-1P | Dual Display CHT (1 L & 1 R), OverTemp Lights, 3-1/8" mount | 10-02735 | \$598.00 |
| TT-1P | Dual Display TIT (1 L & 1 R), OverTemp Lights, 3-1/8" mount | 10-02733 | \$585.00 |
| EC-1PT | Dual Display 1 EGT & 1 CHT w/ OverTemp Lights, 3-1/8" mount | 10-02731 | \$599.00 |
| TC-1PT | Dual Display 1 TIT & 1 CHT w/ OverTemp Lights, 3-1/8" mount | 10-02732 | \$585.00 |
| FOR TWINS - Not Primary Replacement Instruments, but STCd, PMA'd, TSOd. Same order requirements and specifications as above: | | | |
| E-2 | (one display, switchable from left to right engine, either EGT or CHT) | 10-00098 | \$498.00 |
| C-2 | | 10-01661 | \$491.95 |
| EC-2 | (one display, switchable from EGT, L/R and CHT L/R). | 10-01359 | \$659.00 |
| FL-1M | Single Fuel Level Instrument is NON STC Experimental Aircraft Only. Designed to work with E.I.'s Magnetic Float Sensor P-300M. | 10-05084 | \$424.95 |
| FL-1V | Variable Voltage Single Fuel Level Instrument is NON STC Experimental Aircraft Only. Specify Voltage Range requirements | 10-05086 | \$424.95 |
| FL-2M | Dual Fuel Level Instrument is NON STC Experimental Aircraft Only. Designed to work with E.I.'s Magnetic Float Sensor P-300M. | 10-05085 | \$424.95 |
| FL-2V | Variable Voltage Dual Fuel Level Instrument. NON STC Experimental Aircraft Only. Specify Voltage Range requirements | 10-05087 | \$424.95 |
| P-300M | Magnetic Float Sensor | 10-05097 | \$348.00 |

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