

ECM F/A1000 Fuel-Air Ratio Monitor



- Wide F/A Measurement Range
- Fast Response
- Multiple Fuels Capability
- Linearized Analog Output
- Easy Calibration in Air
- Compact

The ECM Fuel-Air Ratio Monitor (F/A1000) is a tool for the calibration, monitoring, and closed-loop operation of fuel-injection and carburetor systems. The F/A1000 uses a wide-range UEGO (Universal Exhaust Gas Oxygen) sensor that is mounted in the exhaust of the engine. Exceedingly simple to hook-up and operate, the F/A1000 comes complete with sensor, harness, module, instruction manual, and an exhaust boss and plug. The 0V to 5V analog output is linearized in F/A and can be connected to any data acquisition or engine control system. The F/A1000 provides unmatched measurement range, accuracy, and speed-of-response in a compact, lightweight package and is an essential tool for any in-vehicle powertrain development program.

Specifications

Measurement Range: 0.055 to 0.125 F/A
Accuracy: 1.5%
Voltage Output: 0V to 5V linear with F/A
Sensor Mounting: 18 mm x 1.5 mm
Size, Weight: 4" x 3.5" x 1", 160 gm

Power: 11 to 28 VDC
Calibration: Hold sensor in air
Included: Control module, UEGO sensor, 3', 10' or 20' harness, manual, exhaust boss and plug

ECM ENGINE CONTROL
AND MONITORING

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ECM F/A1500 Fuel-Air Ratio Monitor with SMB



- Wide F/A Measurement Range
- Fast Response
- Multiple Fuels Capability

- Linearized Analog Output
- Serial Measurement Bus (SMB)
- Easy Calibration in Air

The ECM Fuel-Air Ratio Monitor (F/A1500) is a tool for the calibration, monitoring, and closed-loop operation of fuel-injection and carburetor systems. The F/A1500 uses a wide-range UEGO (Universal Exhaust Gas Oxygen) sensor that is mounted in the exhaust of the engine. Exceedingly simple to hook-up and operate, the F/A1500 comes complete with sensor, harness, module, SMB cables, instruction manual, and an exhaust boss and plug. The 0V to 5V analog output is linearized in F/A and can be connected to any data acquisition or engine control system. The F/A1500's SMB interface allows serial communication with as many as 16 modules using a single RS-232 serial port from a computer. The F/A1500 provides unmatched measurement range, accuracy, and speed-of-response in a compact, lightweight package and is an essential tool for any in-vehicle powertrain development program.

Specifications

Analog Voltage Output:
0V to 5V linear with F/A
Measurement Range: 0.055 to 0.125 F/A

Serial Measurement Bus (SMB):
F/A, AFR, λ , and %O₂
Measurement Ranges: 0.055 to 0.125 F/A
8.0 to 18.0 AFR
0.549 to 1.235 λ
0.0 to 4.0 %O₂

Sensor Mounting: 18 mm x 1.5 mm
Size, Weight: 4" x 3.5" x 1", 160 gm
Power: 11 to 28 VDC
Accuracy: 1.5%
Calibration: Hold sensor in air

Included: Control module, UEGO sensor,
3', 10' or 20' harness, SMB cables,
manual, exhaust boss and plug

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