ECM AFM1000 Air-Fuel Ratio Monitor

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

The ECM Air-Fuel Ratio Monitor (AFM1000) is a tool for the calibration, monitoring, and closed-loop operation of fuel-injection and carburetor systems. The AFM1000 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 AFM1000 comes complete with sensor, harness, module, instruction manual, and an exhaust boss and plug. The 0V to 5V analog output is linearized in AFR and can be connected to any data acquisition or engine control system. The AFM1000 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: 8.0 to 18.0 AFR
Accuracy: 1.5%
Voltage Output: 0V to 5V linear with AFR
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 AFM1500 Air-Fuel Ratio Monitor with SMB

- Wide AFR Measurement Range
- Fast Response
- Multiple Fuels Capability
- Linearized Analog Output
- Serial Measurement Bus (SMB)
- Easy Calibration in Air

The ECM Air-Fuel Ratio Monitor (AFM1500) is a tool for the calibration, monitoring, and closed-loop operation of fuel-injection and carburetor systems. The AFM1500 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 AFM1500 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 AFR and can be connected to any data acquisition or engine control system. The AFM1500's SMB interface allows serial communication with as many as 16 modules using a single RS-232 serial port from a computer. The AFM1500 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 AFR
Measurement Range: 8.0 to 18.0 AFR

Serial Measurement Bus (SMB):
AFR, F/A, λ, and $\%O_2$
Measurement Ranges: 8.0 to 18.0 AFR
0.055 to 0.125 F/A
0.549 to 1.235 λ
0.0 to 4.0 $\%O_2$

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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