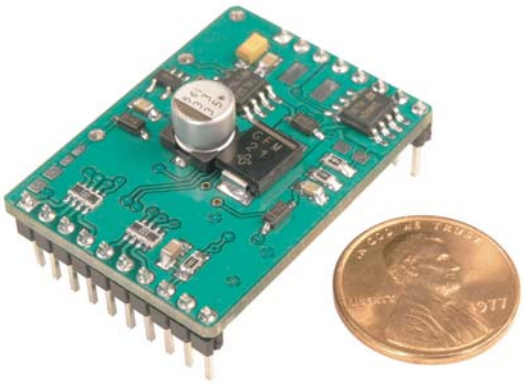
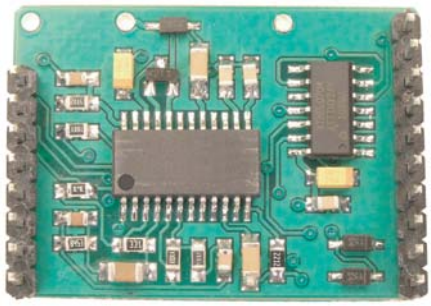
# ECM Universal Wideband Lambda Sensor Controller AFM9





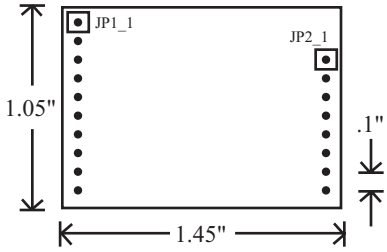
The AFM9 is a universal wideband lambda sensor controller that adds lambda, air-fuel ratio, and oxygen-measuring capability to your company's engine controller. Just plug or solder the compact AFM9 to your controller's circuit board and wideband sensor information is available through an SPI interface and an analog signal.

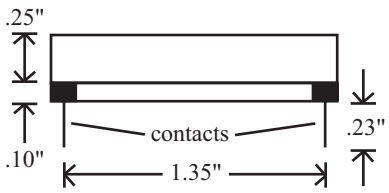
The AFM9 uses a wideband sensor ASIC (application-specific integrated circuit), support circuitry, and control algorithms that have proven themselves in hundreds of thousands of OEM applications. Now this technology and experience can be used in your smaller-volume OEM applications. Sensor identification, start-up, control, filtering, calibration, diagnostics, and shut-down are all controlled by the AFM9. All your controller has to do is read the SPI interface or analog output. The AFM9 will work with any NTK (NGK Spark Plug), Bosch, or Delphi wideband sensor.

Features:

- Range: 0.4 λ to air, 6 to 364 AFR, 0 to 25% $O_2$
- Accuracy: ±0.006 λ
- Speed of response maximized for each sensor type
- All fuels compatible
- Software supports: self-calibration and OEM sensor diagnostics
- Optional dynamic pressure compensation and misfire detection
- Both SPI and analog output interfaces
- Wide allowable voltage supply range: 11 to 32 V

Dimensions (actual size):

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