

Analog Output

The AFX has a 0 ~ 5V, linear analog output for AFR that can be used as an input to an engine controller or data acquisition system. The analog output signal wire is yellow and is attached to terminal position 3 of the connector that plugs into the controller. The analog output ground wire is brown and is attached to terminal position 4 of the same connector. The output wires are each 12" long and are hidden inside the mesh sleeve. To access the wires, gently pull them out of the mesh sleeve. An output of 0V means 9.00:1 AFR and an output of 5V means 16.00:1 AFR. When the sensor is in air, the analog output will be pinned at 5V (since the AFR of air is infinity).

Mathematically: $AFR = (1.4 \times \text{Output Voltage}) + 9$.

AFX Linear Output

