

## Please note:

Prices shown are MSRP and may change without notice. Products may be purchased through our distributors or their authorized dealers. FJO Racing Products does not sell direct.

## Wideband Air/Fuel Ratio Analysis System

### Kits

#### **KWB4000 – Mini Wideband AFR Controller Kit (Single channel – for ECU integration)**

Includes mini wideband AFR controller (single channel), wiring harness, and oxygen sensor bung and plug. This is an “AFR only” controller designed for ECU or datalogger integration. Dual analog outputs provide “FJO legacy” and 0.5-4.5 volt linear output curves.

Order SO20003 or SO20004 sensors, sensor cables and other options separately.

*The SO20004 sensor has an 18-inch cable and can be used without an extension. The SO20003 sensor has a 6-inch cable and may require the use of an IWS300x extension.*

#### **KWB4001 – Mini Wideband AFR Controller Kit (Single channel – with RPM input and software)**

Includes mini wideband AFR controller (single channel, with RPM input), wiring harness, oxygen sensor bung and plug, a USB adapter, and software CD. Dual analog outputs provide “FJO legacy” and user configurable output curves.

Order SO20003 or SO20004 sensors, sensor cables and other options separately.

*The SO20004 sensor has an 18-inch cable and can be used without an extension. The SO20003 sensor has a 6-inch cable and may require the use of an IWS300x extension.*



**\$199.00 US**



**\$249.00 US**

## [Components and Accessories](#)

### **SO20003 – Wideband Oxygen Sensor [NTK]**

This sensor is for use with the KWB30xx kits, KWB400x kits and the 341B2 Engine Management System.

***NOT compatible with earlier controllers using the SO20001 sensor.***



\$210.00 US

### **SO20004 – Wideband Oxygen Sensor [Bosch]**

This sensor is only recommended for applications which do not use leaded race fuel. This sensor is for use with the KWB30xx kits, KWB400x kits and the 341B2 Engine Management System.

***NOT compatible with earlier controllers using the SO20001 sensor.***



\$72.00 US

### **HSB0001 – Oxygen Sensor Bung**

A mild steel bung to install an O2 sensor into exhaust [requires welding]. A threaded plug is included for when the sensor is not installed.



\$6.00 US

### **HSB0002 – Oxygen Sensor Bung – Stainless Steel**

A stainless steel bung to install an O2 sensor into exhaust [requires welding]. A threaded plug [mild steel] is included for when the sensor is not installed.



\$7.00 US

### **DWB4001 – Wideband AFR 2<sup>1</sup>/<sub>16</sub>" Gauge Display**

Round 3-digit LED display with a 40 led dot bar graph sweep. Ultrabright LEDs for daytime visibility.

*For use with the KWB400x kits.*

The dot bar graph range is 11-15 AFR displayed as

- 11-12 AFR 10 blue LEDs
- 12-13 AFR 10 green LEDs
- 13-14 AFR 10 yellow LEDs
- 14-15 AFR 10 red LEDs



**\$138.00 US**

### **IWS3004 – Wideband AFR Sensor Extension Cable (4 foot)**

A 4-foot long, high temperature, shielded cable to connect the WBAFR controller to an O2 sensor. Compatible with KWB3001, KWB3002, KWB3044 kits, and 341B2 Engine Management System.



**\$40.00 US**

### **IWS3008 – Wideband AFR Sensor Extension Cable (8 foot)**

An 8-foot long, high temperature, shielded cable to connect the WBAFR controller to an O2 sensor. Compatible with KWB3001, KWB3002, KWB3044 kits, and 341B2 Engine Management System.



**\$60.00 US**

### **IWS3012 – Wideband AFR Sensor Extension Cable (12 foot)**

A 12-foot long, high temperature, shielded cable to connect the WBAFR controller to an O2 sensor. Compatible with KWB3001, KWB3002, KWB3044 kits, and 341B2 Engine Management System.



**\$80.00 US**

### **IBC0001 – FJO Digital Data Bus Cable [1 ft.]**

A 1-foot expansion bus cable which connects products via the FJO DIGITAL DATA BUS port. Compatible with the KWB4000, KWB4001, and new products with this feature. Requires one IBT0001.

**\$11.00 US**

### **IBC0004 – FJO Digital Data Bus Cable [4 ft.]**

A 4-foot expansion bus cable which connects products via the FJO DIGITAL DATA BUS port. Compatible with the KWB4000, KWB4001, and new products with this feature. Requires one IBT0001.

**\$12.00 US**

### **IBC0010 – FJO Digital Data Bus Cable [10 ft.]**

A 10-foot expansion bus cable which connects products via the FJO DIGITAL DATA BUS port. Compatible with the KWB4000, KWB4001, and new products with this feature. Requires one IBT0001.

**\$14.00 US**

### **IBT0001 – FJO Digital Data Bus Terminator [pair]**

A pair of terminators which terminates the data bus when 2 or more products are connected via the FJO DIGITAL DATA BUS. Compatible with the KWB4000, KWB4001, and new products with this feature. Requires at least one IBC00xx cable.

**\$10.00 US**

## **FJO Nitrous Controllers**

### **KWS0022 – Progressive Nitrous Mini-Controller**

The PROGRESSIVE NITROUS MINI-CONTROLLER combines the functions of a TPS switch, a 2-STAGE RPM WINDOW SWITCH and our HIGH CURRENT SOLENOID DRIVER all into one very compact module. It can progressively drive two channels, each with a 40-amp load capacity (continuous duty). The device also supports low-voltage OEM, V10 or 3 cylinder TACH signals without the need for additional adapters. It works with most OEM throttle position sensors including most drive-by-wire vehicles. This device also includes FJO's "real curve" ramp, which allows you to create a progressive curve instead of just a ramp. That ramp can be either time based or RPM based. All this and only the size of a spark plug box.



**\$210.00 US**

## **Peak and Hold (Low Impedance) Injector Driver**

### **KID0404 – Injector Driver (4 channel)**

Drives 4 PEAK&HOLD injectors with 4 amp peak and 1 amp hold currents. Kit includes cables. Designed for upgrading a factory ECU which can only drive high impedance injectors. Splicing into factory harness is required.



**\$150.00 US**