

Thank you for purchasing this instrument from Intellitronix. We value our customers!

INSTALLATION GUIDE

Digital Narrow Band Air Fuel Ratio Gauge

Part Number: B7008/M7008



After completing all wiring reconnect battery and power up the unit. Test all gauges before reinstalling dash, bezels, and hardware to prevent having to remove it all for any future troubleshooting.



Always disconnect the battery before attempting any electrical work on your vehicle.



The gauge requires voltage input from an industry standard narrow-band 0-1 volt oxygen sensor.

INSTALLATION

- **Black**, Wire to the vehicle engine block ground. The engine block should have heavy ground cables connected to the battery, frame, and firewall.
- **Red**, Wire to switched +12V power from the fuse panel or vehicle wiring harness. (Recommended to use at minimum a 3-amp inline fuse). This wire should have power when key-on and starting ignition.
- **Violet**, Wire to the +12V side of the parking lights. This will dim the dash lighting 50% when your headlights turn on.

GENERAL INFORMATION

- **Displays the sensor's voltage signal as a visual indicator.**
- **Shows if the engine is running:**
 - Lean (low voltage, ~0.1V)
 - Stoich (mid voltage, ~0.45V)
 - Rich (high voltage, ~0.9V)
- **Basic engine health monitoring**
 - If the gauge is stuck lean or rich, it may indicate a sensor, fuel, or air issue.
- **Closed-loop operation check**
 - Confirms that the ECU is adjusting fuel during idle and cruise conditions.