

Link do produktu: <https://bizongarage.pl/aem-x-series-inline-wideband-afr-controller-kit-p-53061.html>

AEM X-Series Inline Wideband AFR Controller Kit



Cena brutto	1 129,99 zł
Cena netto	918,69 zł
Numer katalogowy	USA-AEM-30-0310

Opis produktu

AEM's X-Series Inline Wideband UEGO Air/Fuel Ratio Controllers are built upon unique, patented, 100% digital technology that makes them the fastest responding wideband air/fuel ratio controllers in independent testing*. The X-Series Wideband UEGO Air/Fuel Ratio Controller replaces the popular 30-2310 Inline Controller. X-Series Inline Wideband UEGO Controller features a weather-resistant, low-profile enclosure with status LEDs. It is ideal for users who do not need a gauge display and want the fastest response time when data logging or for feedback control when tuning with an engine management system. The X-Series Inline Controller includes a 0-5v and RS232 Serial Port output for feedback control and data logging, and an AEMnet (CANbus) output for data logging and daisy chaining multiple X-Series Controllers together (up to 16 cylinders) for recording AFR in multiple cylinders. It supports vehicle/system voltages up to 16V, and can be used on EFI or carbureted applications, and dynamometers in applications using gasoline, methanol, ethanol, Diesel, propane and CNG. PATENTED X-DIGITAL TECHNOLOGY Patented X-Digital wideband technology (Patent 9,575,030) gives these controllers the ability to read and report values that other controllers do not, which can deliver more optimized engine tuning and a safer overall operating condition. The controller's high speed digital implementation ensures no loss of signal fidelity and full transient response, making it able to identify the slightest fluctuations in AFR and output them in full value. WHY RESPONSE TIME MATTERS Faster response time improves wideband feedback control, and can provide a safer, more powerful and accurate tune. AEM's Wideband Controllers with X-Series digital technology can reduce deadtime and improve the performance of your vehicle through more accurate AFR tuning. Deadtime is the delay between when exhaust gas composition changes and when that change is reported by the O2 sensor. While flow of exhaust gases (transport delay) can affect deadtime, it is not the only source. Often, the sensing elements response to the gas is the largest contributor to deadtime when an engine is in high RPM under load. When tuning an engine using wideband AFR feedback control on an inertia dyno, deadtime affects the data you are looking at because it is reported in a different operating location than when it actually occurred. This means with long deadtimes, whatever changes you make to the base fueling will likely be in the wrong location. This can be particularly dangerous to high compression and high-boost forced induction vehicles, and EFI systems that use feedback control to auto tune. Reducing deadtime improves wideband feedback control, and can provide a safer, more powerful and accurate tune. AEM's Wideband Controllers with X-Series digital technology can reduce deadtime and improve the performance of your vehicle through more accurate AFR tuning. Features: X-Series Inline Wideband UEGO AFR Controller were fastest responding wideband air/fuel ratio controllers in an independent test vs. 17 competitors wideband AFR controllers Patented X-Digital technology (Patent 9,575,030) Includes Bosch 4.9LSU wideband UEGO sensor Factory calibrated resistor does not require free-air calibration, but technology allows for free-air calibration as sensor ages if user desires Compatible with vehicle/system voltages up to 16V 0-5V & RS232 output for data logging and feedback control, AEMnet (CANbus) for data logging and daisy-chaining multiple controllers up to 16 cylinders Weather-resistant, low profile design EMISSIONS 5 This part is legal for sale or use on Emissions Controlled Vehicles, Uncontrolled (Non-Emissions Controlled) Vehicles, and Racing Use Only Vehicles because it does not affect vehicle emissions and is not covered by emissions regulations.