

UNIVERSAL

Alternative solution for expensive exhaust analyzers



STAG AFR



STAG
autogas systems

A simple solution for diagnostics

The mobility analyzer of exhaust gas

The STAG AFR controller for wideband oxygen sensors has been designed to determine the air-to-fuel ratio (AFR) for an internal combustion engine, based on the measurement of oxygen in the exhaust gas. The kit is used in combination with a wideband oxygen sensor that can be installed in engines with various fueling options, e.g. unleaded petrol, Diesel, LPG/CNG, natural gas, methanol and ethanol.

In most cars with indirect fuel injection, the ECU does not control AFR at high engine load, which can lead to the reduction of power in the engine, increased fuel consumption or even damage to the engine if the fueling system (e.g. autogas installation) is not adjusted correctly.



The STAG AFR controller for wideband oxygen sensors allows fine-tuning of, the engine operation curves, or autogas systems, so that the AFR ratio is kept at an optimum level to ensure the maximum engine power at normal fuel consumption. With the fast measurement of Lambda coefficient, it is possible to control the air-to-fuel ratio both under stable and transient conditions.

The system reads the following parameters:

- AFR ratio,
- Lambda value,
- oxygen content.

**Universal device
for use
in all automobiles.**



For a wide range of applications

The STAG AFR kit has been designed for quick installation and removal. The power supply is provided from the lighter receptacle (12V) and communication with a PC requires a standard USB interface, RS232 interface or Bluetooth. The module is operated through a special, dedicated application compatible with Windows, which is user-friendly and easy to use, offering additional benefits of the system.

The device is intended for the implementation and monitoring of engines: gasoline, with a capacity of LPG/CNG, DIESEL, E10 and E85



Possible applications:

1. adjustment of the fuel system of carburetor and injection based fueling systems,
2. calibration of autogas systems in any generation available on the market,
3. diagnostics of fuel systems,
4. diagnostics of factory-mounted oxygen sensors,
5. control of the AFR to the engine,
6. calibration of chip-tuning systems.

Easy to install

STAG AFR

Alternative solution for expensive exhaust analyzers



AC S.A. reserves the right to make changes to the information herein. At the time of submitting to publication, the information was valid. According to the AC S.A.'s motto with regard to continuous improvement of products, the information herein may be subject to change without prior notice.



AC Spółka Akcyjna

ul. 42 Pułku Piechoty 50, 15-181 Białystok, Poland
tel. +48 85 743 81 00, fax. +48 85 653 93 83
www.ac.com.pl | info@ac.com.pl