



PIERBURG



PRODUCT **RANGE**

NO_x SENSORS FOR UTILITY VEHICLES
DURABLE AND RELIABLE ON THE ROAD

TAKING RESPONSIBILITY IN A CHANGING WORLD



RHEINMETALL



With nitrogen oxide sensors, also known as NOx sensors, Motorservice is enlarging the Pierburg product range of exhaust gas sensor systems for utility vehicles.

The NOx sensor specifically measures the concentration of nitrogen oxides (NOx) in the exhaust gas flow. Based on these values, the urea solution in the SCR system can be precisely dosed, so that the harmful nitrogen oxides are converted into significantly less harmful components.

High operating temperatures and aggressive exhaust gas place high demands on NOx sensors. These sensors are an important component for reducing harmful nitrogen oxides, as they have to operate reliably in extreme conditions to monitor emissions from combustion engine and ensure compliance with strict environmental regulations.



> 5 MILLION

Currently 21 NOx sensors for HGVs



BIG SEVEN

DAF, IVECO, MAN, Mercedes-Benz, Renault, Scania and Volvo



OE QUALITY

1:1 replacement of OE sensors and comparable measuring accuracy



TESTED INDIVIDUALLY

Each sensor is tested for five days and individually calibrated.



DURABILITY

Longest service life (working hours) of all OE and IAM sensors tested (as of 2025)



UPDATE-FREE

NOx sensors can be installed and calibrated immediately.

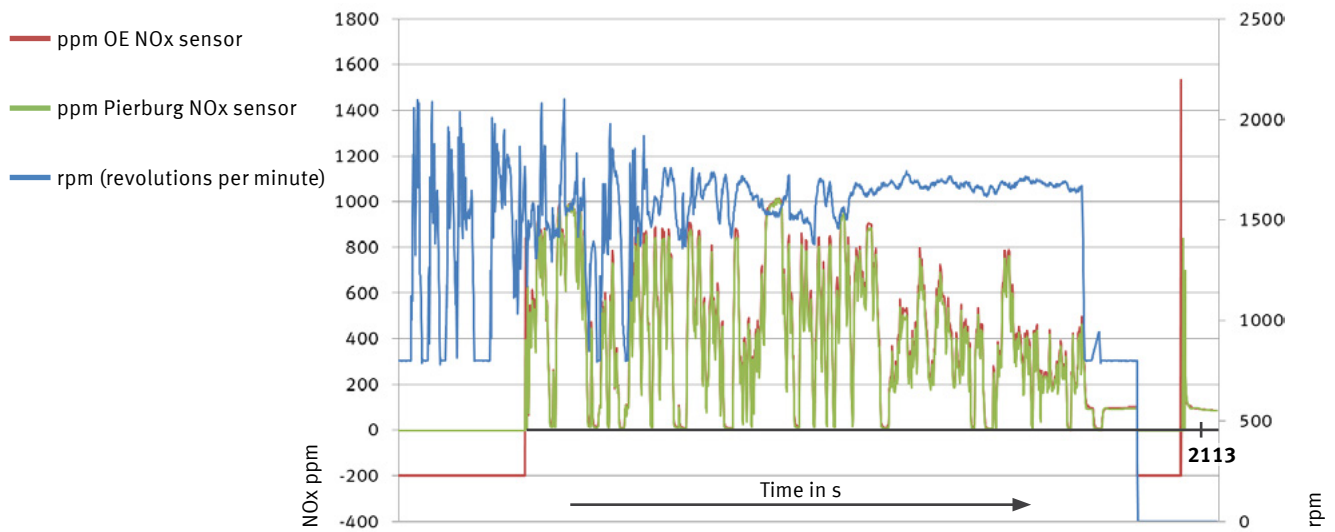


Fig. 1: Performance comparison of Pierburg and OE NOx sensors

Pierburg NOx sensors provide reliable performance and are the solution when measuring accuracy and durability according to OEM standards are required:

- OE-comparable measuring accuracy of the nitrogen oxide concentration in ppm over the entire test and life cycle
- Fast and dynamic adjustment during load and speed changes that is almost identical to the OE sensor

Pierburg no.	OEM	Ref. no.*	Example vehicles/application
7.14350.00.0	Mercedes-Benz	A 006 153 73 28	Actros MP2/MP3 12L + 16L
7.14350.01.0	Mercedes-Benz	A 008 153 98 28	Actros MP4/MP5 7.7 L, 10.7 L, 12.8 L, 15.6 L
7.14350.02.0	Mercedes-Benz	A 008 153 99 28	Actros MP4/MP5 7.7 L, 10.7 L, 12.8 L, 15.6 L
7.14350.03.0	Mercedes-Benz	A 009 153 00 28	Actros MP4/MP5 7.7 L, 10.7 L, 12.8 L, 15.6 L
7.14350.04.0	Mercedes-Benz	A 009 153 01 28	Actros MP4/MP5 7.7 L, 10.7 L, 12.8 L, 15.6 L
7.14350.05.0	Mercedes-Benz	A 010 153 14 28	Actros MP4/MP5 7.7 L, 10.7 L, 12.8 L, 15.6 L
7.14350.06.0	Mercedes-Benz	A 010 153 16 28	Actros MP4/MP5 7.7 L, 10.7 L, 12.8 L, 15.6 L
7.14350.08.0	Volvo/Renault	22827991	FE/FH/FL/FM 7.1 L, 7.7 L, 8.8 L, 12.8 L
7.14350.09.0	Volvo/Renault	22827993	FH/FL/FM 7.1 L, 7.7 L, 8.8 L, 12.8 L, 16.1 L
7.14350.10.0	Volvo/Renault	22827995	FE/FH/FL/FM 5.1L, 7.1L, 7.7L, 12.8L, 16.1L
7.14350.11.0	Scania	1872080	P, G, R, T series 8.9L, 9.3L, 10.6L, 11.7L, 12.7L, 15.6L, 16.4L
7.14350.12.0	Iveco	5801754015	Eurocargo/Stralis/Trakker 3.9 L, 5.9 L, 7.8 L, 8.7 L, 10.3 L, 11.1 L, 12.9 L
7.14350.13.0	Iveco	5801777219	Stralis/Trakker 7.8 L, 8.7 L, 10.3 L, 11.1 L, 12.9 L
7.14350.14.0	Iveco	5801754016	Eurocargo 3.9L, 4.5L, 5.9L, 6.7L
7.14350.15.0	Iveco	5801754014	Eurocargo/Stralis/Trakker 3.9 L, 5.9 L, 7.8 L, 8.7 L, 10.3 L, 11.1 L, 12.9 L
7.14350.16.0	MAN	51.15408-0000	TGA/TGL/TGM/TGS 4.6 L, 6.8 L., 9.0 L, 10.5 L, 12.4 L, 12.8 L
7.14350.17.0	MAN	51.15408-0011	TGA/TGL/TGM/TGS 4.6 L, 6.8 L., 9.0 L, 10.5 L, 12.4 L, 12.8 L
7.14350.18.0	DAF	1744683	CF/XF 5.9 L, 6.7 L, 9.2 L, 12.9 L
7.14350.19.0	DAF	1793380	CF/XF 5.9 L, 6.7 L, 9.2 L, 12.9 L
7.14350.20.0	DAF	1793379	CF/XF 5.9 L, 6.7 L, 9.2 L, 12.9 L
7.14350.21.0	DAF	1705572	CF/LF 3.8 L, 4.5 L, 5.9 L, 6.7 L, 9.2 L, 12.9 L

All content including pictures and diagrams is subject to change. For assignment and replacement, refer to the current catalogues or systems based on TecAlliance. Names, descriptions and numbers of engines, vehicles, products, manufacturers etc. are mentioned solely for the purpose of comparison.

*The reference numbers given are for comparison purposes only and must not be used on invoices to the consumer.

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