



PRODUCT INFORMATION

DIFFERENTIAL PRESSURE SENSORS

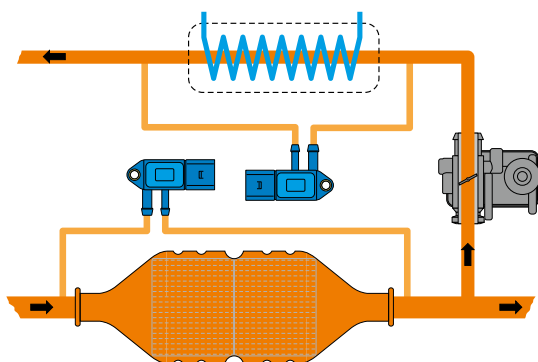
In addition to lambda sensors and exhaust gas temperature sensors, differential pressure sensors are the third type of exhaust gas sensors available from Pierburg.

Differential pressure sensors are most commonly used to determine the degree of loading of the diesel particulate filter. It can also be used to detect whether e.g. an air filter or an EGR cooler is clogged or blocked. To do this, the sensor normally measures the pressure difference downstream and upstream of the component – and thus the loss of pressure that it causes. Sometimes (although rarely) the pressure difference to the ambient pressure is also measured.

Due to stricter exhaust gas regulations, differential pressure sensors are increasingly being fitted to petrol particulate filters in petrol vehicles, as well.



FOR ALMOST 90 MILLION VEHICLES



Differential pressure sensor on diesel particulate filter and on low-pressure EGR cooler

The item numbers that are currently available are compatible with a huge number of vehicles globally – almost 90 million – with the range continually being expanded.

You will find a list of the products currently available for delivery on the next page.

If the sensor is faulty, then it is not possible to determine the degree of loading of the particulate filter, for example. This can result in the filter not being able to regenerate and subsequently suffering irreversible damage. In the worst case, this can not only lead to loss of power and the costly replacement of the particulate filter, but also result in damage to other components in the exhaust tract.



DIFFERENTIAL PRESSURE SENSOR PRODUCT RANGE

Pierburg no. Component	Pierburg no. Module ¹⁾	OEM	Current OE no. ¹⁾	No. of vehicles worldwide [in millions]
7.11190.00.0		VAG	07Z 906 051 A	0.7
7.11190.01.0	7.11457.04.0	Mercedes-Benz	A 006 153 49 28, A 006 153 95 28	2.2
7.11190.02.0	7.11457.00.0	VAG	059 906 051 A	5.0
7.11190.03.0	7.11457.03.0	Fiat, Jeep Ford Opel, GM Peugeot, Citroën	51908411 1769289 93185556 16 105 313 80	6.7
7.11190.04.0		Fiat Ford Opel, GM	51792301 1563425 55566186, 93187247	5.4
7.11190.05.0		Mercedes-Benz	A 642 905 02 00	3.3
7.11190.06.0		Peugeot, Citroën Fiat, Iveco	16 231 373 80 504102810	2.7
7.11190.07.0	7.11457.06.0	Fiat Hyundai, Kia Renault, Nissan	6000608599 39210-2A800 74 85 133 040, 22771-1A10B	8.8
7.11190.08.0	7.11457.01.0	Mercedes-Benz Opel Renault, Nissan	A 607 905 05 00 93 868 338 20 81 556 42R, 20827-00Q0M	6.6
7.11190.09.0		VAG	059 906 051 C	4.7
7.11190.10.0	7.11457.02.0	Ford Volvo	1415606 30750460	2.6
7.11190.12.0		BMW Toyota	13 62 7 805 758 89481-YV020	2.9
7.11492.00.0		VAG	076 906 051 B	7.0
7.11492.01.0		Fiat Mini Opel Peugeot, Citroën	9662143180 13 62 7 805 472 3639257 1618 Z9	9.4
7.11492.02.0		VAG	076 906 051 A	9.3
7.11492.03.0		VAG	03L 906 051 D	8.7
7.11492.04.0	7.11457.05.0	Peugeot, Citroën Fiat Ford Volvo	16 066 108 80 9677016780 1600077 30785486	3.1
7.11492.05.0		VAG	04L 906 051 AB, 04L 906 051 L	4.1
7.11492.07.0	7.11457.07.0	Renault, Nissan Mercedes-Benz Opel	22 77 011 77R, 20827-00Q0L A 626 905 22 00 93457569	7.9

¹⁾ These item numbers are not available for order, but serve to link reference numbers from vehicle manufacturers if these comprise other components (e.g. hoses or brackets) in addition to the differential pressure sensor as a module ("available for delivery according to parts list").
At Motorservice, you can order the differential pressure sensor separately as an individual component of the module (column 1).

* The reference numbers given are for comparison purposes only and must not be used on invoices to the consumer.
All content including pictures and diagrams is subject to change. For assignment and replacement, refer to the current catalogues or systems based on TecAlliance.