

EXHAUST GAS PRESSURE SENSOR

+55

+8k

+44M

PART NUMBERS

APPLICATIONS

VIO



Low pressure



High pressure



Filter inlet pressure

Filter outlet pressure

Terminals
Nickel-coated.
Improved connectivity, reduced corrosion.

Sensor element
OEM production. Customisable.

Body
In-house design and manufacturing with high-performance materials (PBT and PPS). High-quality coating, plating and sealing materials.

Pressure chambers (inlet and outlet)
Epoxy-sealed. Fully watertight.

Bonding
Made of aluminium, improving connectivity, mechanical strength, and stability.

Electronic circuit
No interference with ECU. Customisable.

Die protector
Prevents damage from shocks or vibration.

Silicone gel
Provides mechanical and chemical protection for the circuit from external agents.

Ceramic plate
High-strength substrate that dissipates heat.

The differential pressure sensor measures the pressure difference in the exhaust gases, either between the inlet and outlet of the particulate filter or relative to atmospheric pressure. It is a key component of the anti-emission system in diesel engines, designed to comply with European emissions regulations.

There are two systems:

- Additive-free particulate filter systems (DPF):
Combustion at 600°C
- Additive-based particulate filter systems (FAP):
Slow combustion at 300–350°C

Replacing the particulate filter pressure sensor helps improve emissions control and extends the filter's service life.

A faulty sensor can cause unnecessary regenerations, power loss, and warning lights to activate, affecting vehicle performance.

Failures are often due to damage in hoses, wiring, connectors, or leaks at the junction with the sensor or the filter.

Ref. 16105

VIO 0.48 M



Nissan

Qashqai II 1.5 dCi

Ref. 16154

VIO 0.47 M



Renault

Captur I 1.5 dCi 90

Ref. 16109

VIO 0.46 M



Volkswagen

Tiguan 2.0 TDI 4motion

Ref. 16165

VIO 0.41 M



Renault

Clio IV 1.5 dCi 90

+11

+70

+180M²

+1000M²

+5.000

+12.000M²

CATALOGUES

YEARS

ESD ROOM

CLEAN ROOM

PART NUMBERS

BARCELONA