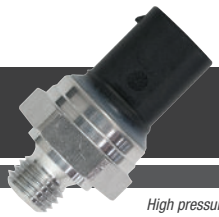
FAE

WE DEVELOP CUSTOMIZED
ELECTRONIC SENSOR SOLUTIONS

# EXHAUST GAS PRESSURE SENSOR

**+55** PART NUMBERS | **+8k** APPLICATIONS | **+44M** VIO


16127
Low pressure


16157
High pressure

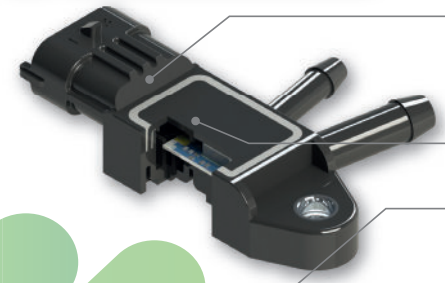


**Filter inlet pressure**

**Filter outlet pressure**

**Terminals**
Nickel-coated.
Improved connectivity, reduced corrosion.

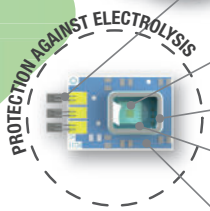
**Sensor element**
OEM production. Customisable.



**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

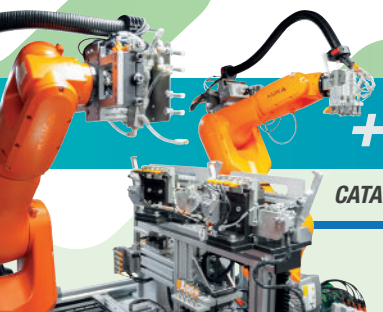


**Volkswagen**
Tiguan 2.0 TDI 4motion

## Ref. 16165
VIO 0.41 M



**Renault**
Clio IV 1.5 dCi 90



**+11** CATALOGUES | **+75** YEARS | **+180M²** ESD ROOM | **+1000M²** CLEAN ROOM | **+5.000** PART NUMBERS | **+12.000M²** BARCELONA

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