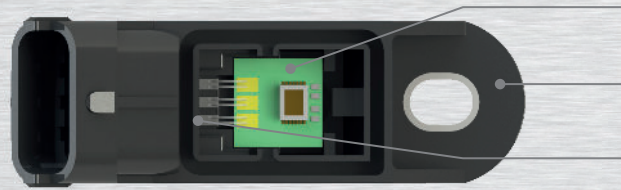


These sensors measure pressure and send the information as an electrical signal to the control unit (ECU).  
FAE has an industrial system capable of protecting its pressure sensors against electrolysis, unlike its competitors.

There are several types:  
**Intake manifold**  
**Boost pressure**  
**Brake booster**



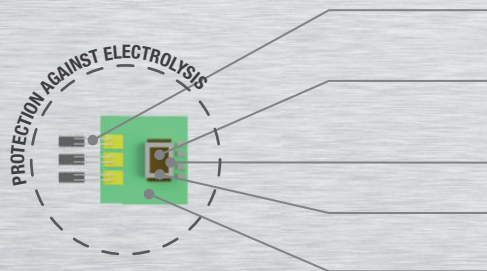
**Sensor**  
OEM manufacturing.  
Programmable.

**Body**  
In-house design and manufacturing.  
OEM quality.

**Terminals**  
Nickel coating: better connectivity, less corrosion.



**Cover**  
In-house design and manufacturing.  
OEM quality.



**Bonding**  
Made of aluminum, enhancing connectivity, mechanical strength, and stability.

**Electronic Circuit**  
Conditions the signal into a valid, interference-free signal for the ECU. Programmable.

**Die Protector**  
Protects the chip from potential impacts and vibrations.

**Silicone Gel**  
Protects the circuit from external agents.

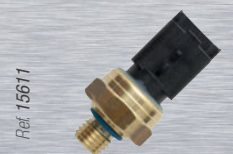
**Ceramic Plate**  
High resistance ceramic substrate with temperature dissipation.

Pressure Sensors with Different Technologies  
**Common-rail**



Ref. 15601

**Fuel / Hydraulic**



Ref. 15611

**Air Conditioning Pressure Switch**



Ref. 15800

References

**+200**

Applications

**+25k**

VIO

**+120M**



**Benefits of Replacement**

- Improved fuel consumption
- Better emission control and optimal functioning of other sensors



**Symptoms of Malfunction**

- Excessive fuel consumption
- "Check Engine" light illumination
- Difficulty in starting
- Low power or increased fuel consumption
- Black smoke emission due to spark delay or excessive injection time
- Detonation caused by excessive advance



**Causes of Failure**

- Deterioration of vacuum hoses
- Deterioration of cables or connector
- Internal sensor leaks
- Deterioration of the sensor element causing incorrect readings
- Failures due to corrosion