

BRINGING SOLUTIONS TO COPE WITH FUEL VAPOR BUILD-UP IN HYBRID OR CLASSIC ICE CARS

MLX90821

The MLX90821 is a packaged and factory calibrated automotive relative pressure sensor IC with an analog and a SENT output that can be used in applications demanding very low pressures from 50 mbar up to 700 mbar in automotive harsh media applications such as fuel vapor.

The MLX90821 is the ideal solution for measuring very low pressures in applications requiring extended mission profiles when high robustness is needed.

The same product can be used at 700 mbar to cope with the fuel vapor build-up in hybrid cars as 50 mbar, the classic range for fuel vapor in non-electrified powertrains.

KEY FEATURES

- High accuracy relative pressure sensor with ratiometric analog output or digital SENT output including compensated ±1°C accurate NTC media temperature information
- Large automotive temperature range (-40°C to 150°C)
- Automotive qualified and automotive diagnostic features (clamping levels, broken track diagnostics, multiple internal fault diagnostics)
- Factory calibrated or fully programmable or reconfigurable through the connector for customized calibration curves at customers

- Backside exposed relative pressure sensor for higher resistance to common automotive media
- Assembled in a robust easy-to-seal package



Measurement of fuel vapor pressure

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