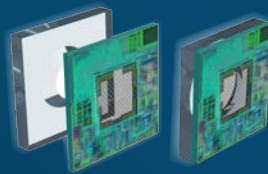


MLX90819

RELATIVE PRESSURE SENSOR

MEASURING  
MID-PRESSURES



The small sized butterfly fish can detect subtle changes in water pressure through a lateral line system. Their pressure sensing organs help to avoid collisions, participate in schooling behavior, orient to water currents, elude predators, and detect prey.

## PIONEERING IN MID-PRESSURE APPLICATIONS WITH MEMS TECHNOLOGIES

Pressure sensor IC for automotive mid-pressure applications. MEMS technology based and fully integrated.

### MLX90819

Compact, robust MEMS solution with accurate sensor functionality, fully integrated signal processing, analog or SENT outputs offers an innovative approach to measure mid pressures typically encountered in automotive applications where pressure of fluids should be monitored.

### KEY FEATURES

- ✓ Compact fully integrated relative pressure sensor bare die solution
  - Sensor and interface in one die
- ✓ Solution easy to integrate at customer
  - Glass pedestal to facilitate the die assembly for back side application exposure
  - Ideal solution for fluid applications with ranges from 10 to 50bar
- ✓ Robust solution
  - Targeting under the hood automotive temperature ranges (-40°C to 150°C)
  - High EMC performance thanks to monolithic sensor and interface integration
- ✓ Flexible solution
  - High accuracy with flexible calibration algorithm
  - Device fully programmable through the application pins
  - Analog or SENT outputs with many automotive diagnostics capabilities



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