

Melexis

INSPIRED ENGINEERING

MLX90817

ABSOLUTE PRESSURE SENSOR

**MEASURING PRESSURE IN
HARSH ENVIRONMENTS**



Pufferfish have the ability to fill their elastic stomach with water whenever they feel they're in danger. Together with the change of their pattern in response to environmental changes, this allows the fish to survive in many different environments as our pressure sensors which are able to operate in harsh conditions, such as the air intake of a vehicle.

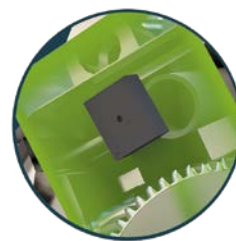
BEST FACTORY CALIBRATED ACCURACY FOR PRESSURE AND HARSH MEDIA RESISTANCE

MLX90817

The new MLX90817 is a packaged absolute pressure sensor that is factory calibrated to cover the range 1.0 to 5.5 bar, making it ideal for normally aspirated, directly injected and turbocharged engine applications. The highly integrated sensor is housed in a tiny 4 x 5mm DFN package.

KEY FEATURES

- ✓ Best accuracy for factory calibrated pressure information
- ✓ Ratiometric analog output
- ✓ 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
- ✓ Assembled in a rugged easy to use 4x5mm DFN package



**Manifold
air pressure
sensor**



Throttle valve

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