

FACTORY CALIBRATED AND HIGHEST DEGREE OF ACCURACY OVER LIFE-TIME

Very accurate and stable pressure measurements allow optimal engine management to guarantee fuel savings and emission reductions.

MLX90824

The MLX90824 is a packaged PCB-less, factory calibrated, absolute pressure sensor measuring spans from 1 to 4 bars. It makes it ideal for MAP, TMAP and air management especially for automotive and truck.

The MLX90824 offers a digital SENT output signal.



KEY FEATURES

- PCB-less absolute pressure sensor
- Up to 0.5% full scale accuracy over extended mission profiles
- Operating temperature from -40°C to 160°C
- Robustness
 - Over (+40V) and reverse (-40V) voltage capabilities
 - Excellent module level EMC performance
 - Harsh media resistance against halogens, acids...
- O Digital SENT output
- Pre-calibrated NTC thermistor input
- All-in-one: MEMS, interface and passive components

- Certification
 - AEC-Q100 (automotive) and AEC-Q103-002 (pressure sensor MEMS)
 - ASIL compliant developed as an ASIL B SEooC (ISO 26262)
- Factory calibrated or fully programmable through the connector with PTC04 for customized calibration curves
- Onfigurable diagnostic features
- Package RoHS compliant SMP-7 (XP)
 - Ridges to enable glued pressure seals

amages: and any and all warranties, express, statutory, implied, or by description, including warranties of finess for particular purpose, non-infringement and merchantability, Meleois reserves the right to change it at any time and without notice. Users should obtain the latest version of thi formation to verify it is current. Users must further determine the suitability of a product from its application, including the level of reliability required and determine whether it is fit for a particular purpose. Export control regulations may apply and export might require a prior authorization from ompetent authorities. Meleois' products are intended for user in normal commercial applications, to these otherwise agreed on in writing the products are not designed, authorized or warranted to be suitable in applications requiring extended temperature range and/or unusual environments equirements. High reliability applications, such as medical file-support or life-sustaining equipment are specifically not recommended by Meleois. Meleois' products are sold under the Meleois' Terms of Sale, which can be found at https://www.meleois.com/en/legal/terms-and-conditions.



MLX9082x PCB-LESS PRESSURE SENSOR



MLX90824 PCB-LESS PRESSURE SENSOR APPLICATIONS

Absolute pressure measurement from 1 bar to 4 bar

