



Differential, Gauge and Absolute Compensated Pressure Sensor (0 to 100 kPa)

MPXx2100

Last Updated: Dec 17, 2024

The MPX2100 pressure sensor series offers silicon piezoresistive solutions for a diverse array of medical and industrial applications.

- Provides a highly accurate and linear voltage output directly proportional to the applied pressure
- Includes a single monolithic silicon diaphragm with the strain gauge and a thin-film resistor network integrated on-chip
- Delivers a laser-trimmed chip for precise span, offset calibration and temperature compensation

MPXX2100_BD Block Diagram

PACKAGING ORDERING INFORMATION

| Device Type | Packing Options | Case |
|-------------|-------------------------|------|
| MPX2100A | Absolute, Differential | 344 |
| MPX2100D | Absolute, Differential | 344 |
| MPX2100DP | Differential, Dual Port | 344C |
| MPX2100AP | Absolute, Gauge | 344B |
| MPX2100GP | Absolute, Gauge | 344B |
| MPX2100ASX | Absolute, Gauge Axial | 344F |
| MPX2100GSX | Absolute, Gauge Axial | 344F |

View additional information for [Differential, Gauge and Absolute Compensated Pressure Sensor \(0 to 100 kPa\)](#).

Note: The information on this document is subject to change without notice.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2025 NXP B.V.