

# Features and Benefits

## INDUSTRY-LEADING LONG-TERM STABILITY

Even after long-term use and thermal extremes, these sensors perform substantially better relative to stability than any other pressure sensor available in the industry today:

- Minimizes system calibration needs and maximizes system performance.
- Helps support system uptime by eliminating the need to service or replace the sensor during its application life.

## INDUSTRY-LEADING ACCURACY

Extremely tight accuracy down to  $\pm 0.15$  %FSS BFSL:

- Reduces software needed to correct system inaccuracies, minimizing system design time.
- Supports system accuracy and warranty requirements.

*Minimizes system calibration and design needs; supports system uptime.*

## INDUSTRY-LEADING FLEXIBILITY

- Modular, flexible design with numerous package styles, pressure ports, and options simplifies integration into the device manufacturer's application.
- Single side wet media allows the end customer to use one port of the sensor with condensing humidity or directly with non-corrosive liquid media.

*Simplifies product integration.*

## INSENSITIVE TO MOUNTING ORIENTATION

Allows flexibility of use within the application.

## SMALL SIZE

Miniature 10 mm x 10 mm [0.39 in x 0.39 in] package is very small when compared to most board mount pressure sensors:

- Occupies less area on the PCB.
- Typically allows for easy placement on crowded PCBs or in small devices.

## REPEATABILITY

Provides **excellent repeatability, high accuracy and reliability** under many demanding conditions.

## SUPPORTS LEAN MANUFACTURING

- J-STD-020-D MSL 1 unlimited shelf life after packaging is opened.
- System can be calibrated within one hour after reflow solder.
- Compatible with modern lead-free and no-clean solder processes.

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## **EXTREMELY LOW POWER CONSUMPTION**

- Operating supply voltage as low as 1.5 Vdc.
- Reduces power consumption, provides extended battery life, and promotes energy efficiency.

## **ABSOLUTE, DIFFERENTIAL AND GAGE TYPES**

- Provides flexibility of use within the application.
- Absolute type on NSC Series only.

## **PRESSURE RANGES FROM $\pm 2.5$ MBAR TO $\pm 10$ BAR | $\pm 250$ PA TO $\pm 1$ MPA | $\pm 1$ INH<sub>2</sub>O TO $\pm 150$ PSI**

Optimizes the customer's system performance by maximizing pressure resolution with more available pressure ranges.

## **ROHS AND ISO9001 COMPLIANCE**