



Heavy Duty Pressure Transducers

PX2 Series

1 bar to 70 bar | 100 kPa to 7 MPa |
15 psi to 1000 psi



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Honeywell's PX2 Series Heavy Duty Pressure Transducer is a portfolio of highly configurable pressure sensors that use piezoresistive sensing technology with ASIC (Application Specific Integrated Circuit) signal conditioning in a stainless steel housing. The PX2 Series is fully calibrated and compensated for offset, sensitivity, temperature effects and non-linearity using the on-board ASIC. This provides a Total Error Band of $\pm 2\%$ over the operating temperature range of $-40\text{ }^{\circ}\text{C}$ to $125\text{ }^{\circ}\text{C}$ [$-40\text{ }^{\circ}\text{F}$ to $257\text{ }^{\circ}\text{F}$].

With thousands of possible configurations, the PX2 Series allows Honeywell to meet customer requirements and quickly provide samples. New standard configurations are regularly being added.

The PX2 Series is compatible with a variety of harsh media including brake fluid, common hydrofluorocarbon refrigerants, engine oil, tap water, hydraulic fluids, and compressed air. The wide operating temperature range, ingress protection up to IP69K, and 100 V/m radiated immunity allow for reliable performance in tough environments.

These transducers measure absolute, sealed gage, or vented gage pressure. The absolute versions have an internal vacuum reference and an output value proportional to absolute pressure, the sealed gage versions have an internal pressure reference of one atmosphere at sea level, and the vented gage versions measure pressure with respect to ambient pressure.

The PX2 Series is available in three pressure ranges:

- 1 bar to 70 bar
- 100 kPa to 7 MPa
- 15 psi to 1000 psi

All products are RoHS compliant and are designed and manufactured according to ISO 9001 standards.

What makes our transducers better?

- **Affordable:** Competitive product cost, over 60,000 standard configurations, and global application support
- **Available:** Wide selection of features and a short lead time for samples and production parts
- **High performance:** Small Total Error Band, fast response time, and longer life
- **High durability:** Environmentally tough, wide operating temperature range, and ability to withstand mechanical shock and vibration



Count on affordability and availability with these high performing, durable transducers.

AFFORDABLE • AVAILABLE • HIGH PERFORMANCE