Board mount pressure sensors offer cost-effective, basic performance

Honeywell announced the release of its new Basic Board Mount Pressure Sensors, NBP Series. These are a cost-effective, basic performance, mV output, unamplified, uncompensated, high quality, and high resolution solution for customers seeking high-volume, economical board mount pressure sensors.Honeywell’s NBP Series is ideal for customers who want to do their own compensation, calibration, and amplification to make use of the maximum resolution of the bare sensor output, leveraging a custom algorithm required for their application. The NBP Series offers manufacturing excellence, prompt prototype delivery, availability throughout the product development cycle, and superior application support. Potential medical applications include pressure monitoring for wound therapy machines, hospital beds, oxygen concentrators, and blood pressure monitors. Potential industrial applications include HVAC transmitters, air movement control, environmental control, level indicators, leak detection, industrial control, and other commercial applications. Honeywell designed this device to Six Sigma standards. The NBP Series features a durable design that operates over the full temperature range of -40 °C to 150 °C [-40 °F to 302 °F]. Numerous packaging styles, pressure ranges, housings, gel coating, and porting help to meet specific application needs and simplify integration. The sensor’s compact package size (as small as 7 mm x 7 mm [0.276 in x 0.276 in]) is smaller than most competitive board mount pressure sensors, allowing for easy placement on crowded printed circuit boards or in small devices.

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