imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

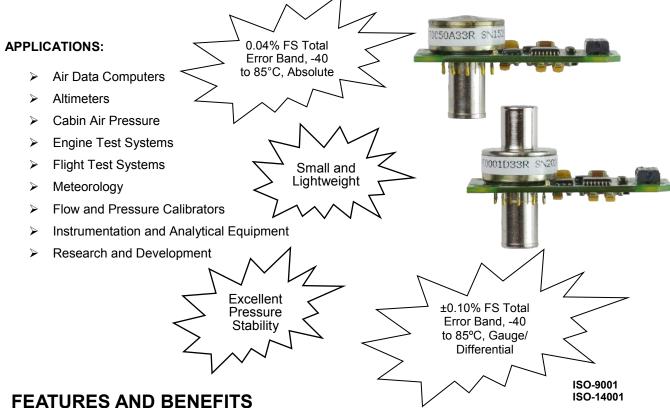
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Honeywell

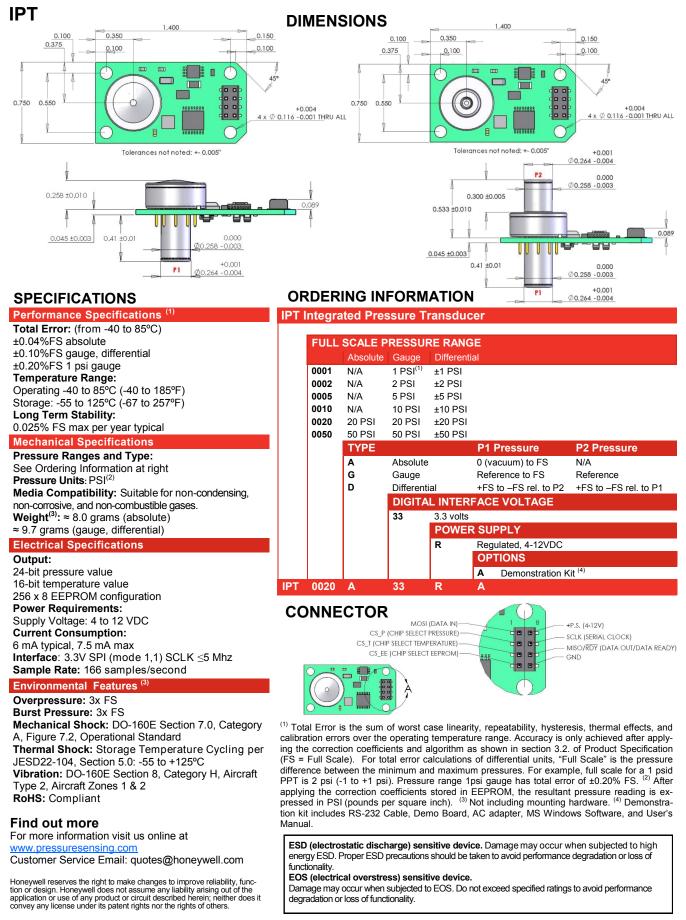
Integrated Pressure Transducer IPT

Honeywell's Integrated Pressure Transducer (IPT) provides high accuracy pressure data in an industry standard SPI digital format. The core of the IPT is a proven Honeywell silicon piezoresistive pressure sensor with both pressure and temperature sensitive elements. The IPT is small and lightweight and can be easily integrated by the user into a wide variety of applications that require high performance in a small package. Applying the coefficients stored in the on-board EEPROM to the normalized IPT pressure and temperature output yields highly accurate and stable pressure readings over the -40 to 85°C compensated temperature range.



- High Accuracy Over a Wide Temperature Range From -40 to 85°C ±0.04% FS Total Error Band (absolute pressure), to ±0.10% FS Total Error Band (gauge/ differential pressure) (1)
- **Digital SPI Output**
- **Small and Versatile**

- Stored Correction Coefficients in EEPROM Ready to use; No additional pressure and temperature calibration necessary. Simplifies System Design - No additional signal compensation needed to achieve a highly accurate pressure reading.
- Industry Standard Interface Ready communication between a µController/µProcessor and the IPT.
- **Volume** ~ 1 in³ (16 cm³) Lightweight - Less than 10 grams. Media Interface - Handles most dry gas media.



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