Honeywell | Sensing and Productivity Solutions

DIGITAL PRESSURE SENSOR WITH CANOPEN®, MODEL DPS

Simplifies configurability and reduces wiring complexity.

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Honeywell's Digital Pressure Sensors with CANopen®, Model DPS, are an addition to Honeywell's general purpose pressure sensors that are configured with a variety of features and options for use in a wide range of demanding applications. Model DPS pressure sensors are rugged, stainless steel, all-welded devices designed to work with a variety of media, and are built to provide consistent performance in harsh environments.

All Models feature

- CANopen® – Simplifies configurability and reduces wiring complexity
- Reliable and durable – IP65 rated and all-welded stainless steel design
- High accuracy – ±0.25 %FS or ±0.1 %FS
- Total Error Band – ±2 %FS
- Configurable – Wide pressure range, multiple engineering units, terminations, and connectors

Model DPS Digital Pressure Sensors

Rugged Design: All-welded, 300 series stainless steel and Hastelloy® design, mechanical shock rating, and IP65 rating allow for use in a variety of harsh environments.

Connector Options: 5-pin M12 for use in industrial applications, and 6-pin Bendix often found in transportation applications.

Multiple Pressure Engineering Units: 10 psi to 10K psi; 1 bar to 700 bar; and 70 kPa to 70000 kPa that provides support for many applications. Multiple pressure engineering units (psi, bar and kPa) eliminate the customer having to make mathematical conversions, increasing flexibility and simplifying use

Benefits of CANopen®: Connects longer cable distances, simplifies installation and tracking, and mitigates data corruption.

All Models feature

- *Wide pressure ranges available to support many unique applications*
- *Output: CANbus® with CANopen® protocol*
- *Total Error Band [±2 % FS]*
- *Mechanical shock 100 G/11 ms*
- *CiA (CAN in Automation) certified*

POTENTIAL APPLICATIONS

Transportation

- *Agricultural equipment*
- *Automotive test benches*
- *Construction equipment*
- *Rail equipment testing*
- *Train communication network*

Industrial

- *General industrial process control and factory automation/industrial equipment*
- *HVAC*
- *Injection/blow molding machines*
- *Packaging machines*
- *Semiconductor manufacturing*

Medical

- *Blood dialysis equipment*
- *Medical equipment systems (i.e., X-ray collimator, MRI scanning, etc.)*

Aerospace

- *Test and research labs*

For more information
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