

20PC Family Pressure Sensors

Ratiometricity for 20PC Output

Technical Note

BACKGROUND

The 20PC series are considered ratiometric meaning the output signal is proportional to the supply voltage.

PURPOSE

Specifications in the product sheet such as Span, Sensitivity, etc. are defined when using typical

excitation voltage of 10 Vdc. Therefore, an output curve can be drawn as shown in Figure 1.

For any specific listing, the slope of the line is determined by excitation voltage. For example, for a 5 psi unit, the full scale output will be 50 mV at 10 Vdc excitation voltage and 80 mV at 16 Vdc excitation voltage.

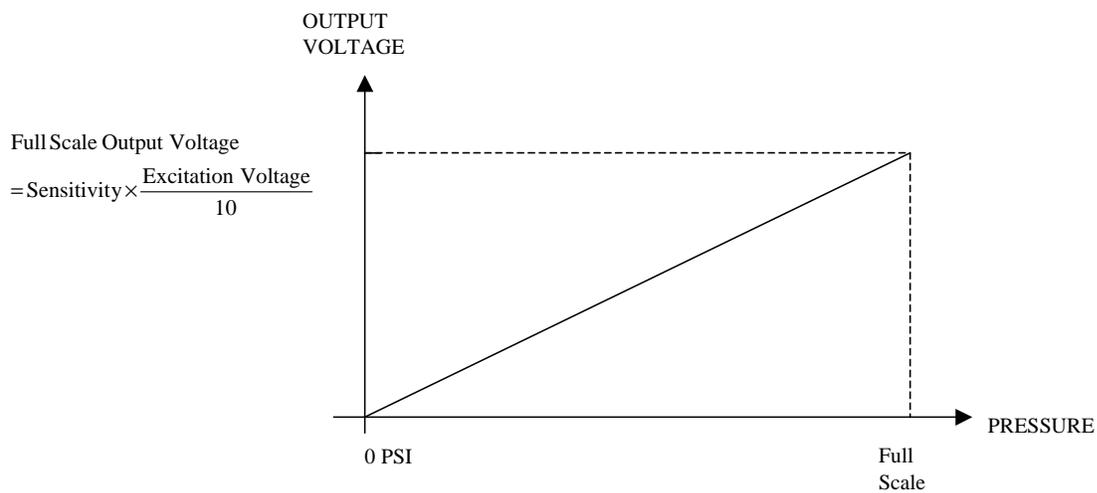


Figure 1 Output Curve

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Honeywell

Sensing and Control

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