

BI-DIRECTIONAL, DIFFERENTIAL, LOW PRESSURE, COMPENSATED, TRANSDUCER



The **210-60-200** is a high quality, dependable, bi-directional full-line differential pressure transducer with superior long-term stability and excellent repeatability.

The **210-60-200** is temperature compensated, operating at temperatures from **-65°F to +250°F (-53°C to +121°C)** in pressure ranges of **0-15 to 0-250 PSID** and has a thermal zero shift less than $\pm 0.02\%$ of full scale output per °F.

Offered in a small/light weight package for applications where space is limited and rated for high proof and burst pressure, these transducers are ideal for a wide range of fluids and gases typically found in flow, filter and pump head monitoring as well as liquid level measurement in process control equipment.



210-60-200-XX
0-15 to 0-250 PSID

Specifications:

Typical Performance: The following parameters are established from production units.

Calibration Data: Calibration Certificates are supplied with each unit.

Performance: *

Thermal Zero Shift: $\pm 0.02\%$ of Full Scale Output (F.S.O.) per °F maximum.

Thermal Sensitivity Shift: $\pm 0.02\%$ of F.S.O. per °F maximum.

Full scale (F.S.) Sensitivity: P1=2.0 mV/V ± 0.1 mV/V, P2= - P1 $\pm 5\%$ of P1

Output at Zero Differential Pressure: $0 \pm 10.0\%$ F.S.O.

Non-Linearity and Hysteresis Combined: $\pm 0.50\%$ F.S.O. maximum for ranges to 50 PSID, $\pm 0.30\%$ F.S.O. maximum for ranges greater than 50 PSID. Best straight line method, each port separately.

Repeatability: Within $\pm 0.1\%$ of F.S.O. maximum.

Operating Temperature Range: -65°F to +250°F (-53°C to +121°C).

Compensated Temperature Range: -25°F to +250°F (-31°C to +121°C).

Mechanical: *

Pressure Range: 0-15 to 0-250 PSID.

Proof Pressure: 400% of rated range.

Burst Pressure: 1000% of rated range.

Maximum Line Pressure: 200% of rated range.

Pressure Media: Any compatible with 15-5 PH CRES.

Electrical Connections: 4 pin bayonet connector. Mates with MS3116-8-4S.

Pressure Port: Per MS33656-E4.

Weight: 8 ounces maximum (0.22 kg).

Environmental: Error due to combined effect of shock, vibration, and acceleration shall be less than 0.02% of F.S., 20G maximum.

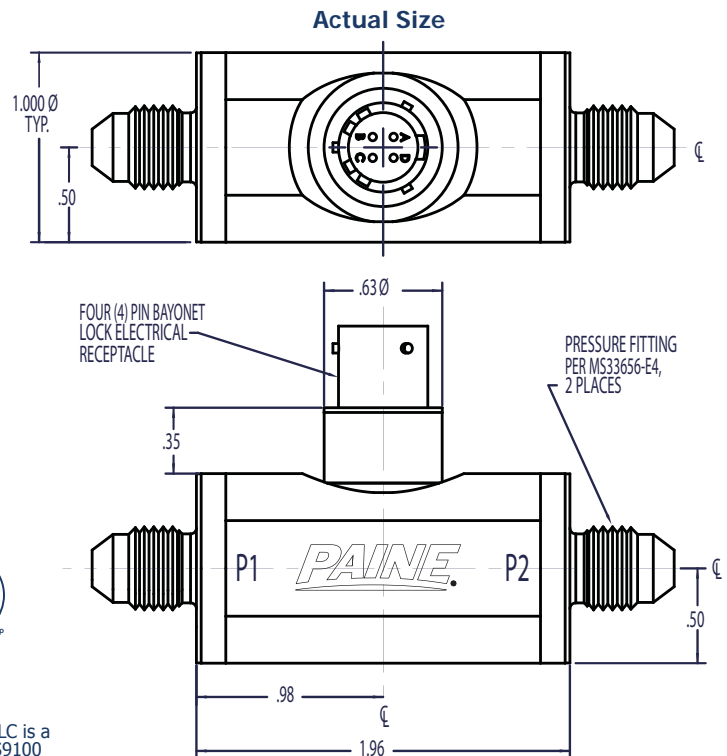
Electrical: *

Excitation: 10 VDC.

Input Resistance: $350 \pm 70 \Omega$.

Output Resistance: $350 \pm 35 \Omega$.

Electrical Connections: A= + Excitation, B= + Signal, C= - Signal, D= - Excitation.



Paine Electronics, LLC is a proud ISO-9001/AS9100 registered company

Datasheet P/N: 210-60-200-DS_REV-A

* Contact us or your authorized Paine Electronics representative for other standard and/or custom configurations or options.

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