Isolated Piezo

Isolated Piezo Sensor

1 – 775 Torr Absolute Sensor

Why it was Built — Sensor designed from the ground up to monitor vacuum in industrial and laboratory environments.

Stainless steel everywhere — Rugged stainless steel sensor that is hermetically sealed to insure zero leakage.

Applications— This absolute sensor is often used as an inexpensive alternative to a capacitance manometer. The 775i sensor can be used when an inches of mercury dial gauge lacks the resolution around 20 Torr. It is used in manufacturing environments to trigger equipment on or off. This sensor could be used for load lock chamber lights to note a pressure below 5 Torr, or for turning on an industrial vacuum blower at 25 Torr. This type of sensor also approaches the accuracy that is required to know where water boils at ambient temperature during a vacuum drying process.

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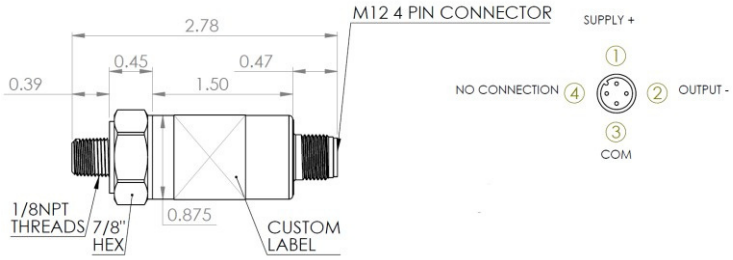

Specifications

Pressure Range	**2 – 775 Torr, 2.6 -1033 mb, 15PSIA**
Vacuum Interface	**1/8” MNPT**
Total Error Band	**+/- 1% of Full Scale Output, +/- 2 Torr**
Pressure Overload	**60PSIA**
Wetted Material	**316 Stainless Steel (isolated)**
Supply Voltage	**5.0 Volts**
Supply Current	**<4ma**
Output Voltage	**-0.5 to 4.5 VDC, Ratiometric to Supply**
Compensated Temperature	**0 to 50°C, 32 to 120°F**
Operating Temperature	**-10° to 85°C, 12 to 185°F**
Environmental	**IP66**
Electrical Connection	**M12**
Part Number	**SEN-775i-NPT**

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