



## **PE-7000 FLUSH MOUNTED ROOM/SPACE STATIC PRESSURE SENSOR**

### **DESCRIPTION**

Model **PE-7000** Flush Mounted Room/Space Static Pressure Sensors are designed to eliminate signal error caused by ambient air turbulence created by occupant motion, operating equipment, or air distribution devices. The output of these sensors is an exceptionally accurate and stable static pressure signal for laboratory; clean, containment, or isolation room differential pressure indication and/or control. The design of the sensing ports and averaging chamber produces instantaneous pressure signals in areas with high non-impacting velocities (above 150 fpm). The **PE-7000** is designed for flush mounting on the ceiling or a wall, within the area being monitored. The **PE-7000** should not be mounted where air flow can directly impact the sensor.

### **Features**

- Low signal-to-noise ratio
- Multiple static pressure sensing ports
- Averaging internal manifold
- $\pm 1\%$  accuracy of actual pressure
- Constructed of brushed aluminum suitable for most applications
- Units are optionally available in Type 304, 11 gage stainless steel
- Furnished complete with mounting hardware and signal connection fittings

## PE-7000 Technical Specifications

### 1. Accuracy

± 1% of actual pressure

### 2. Material

10 gage 6061 brushed aluminum

Type 304, 11 gage stainless steel (optional)

### 3. Connection Fittings

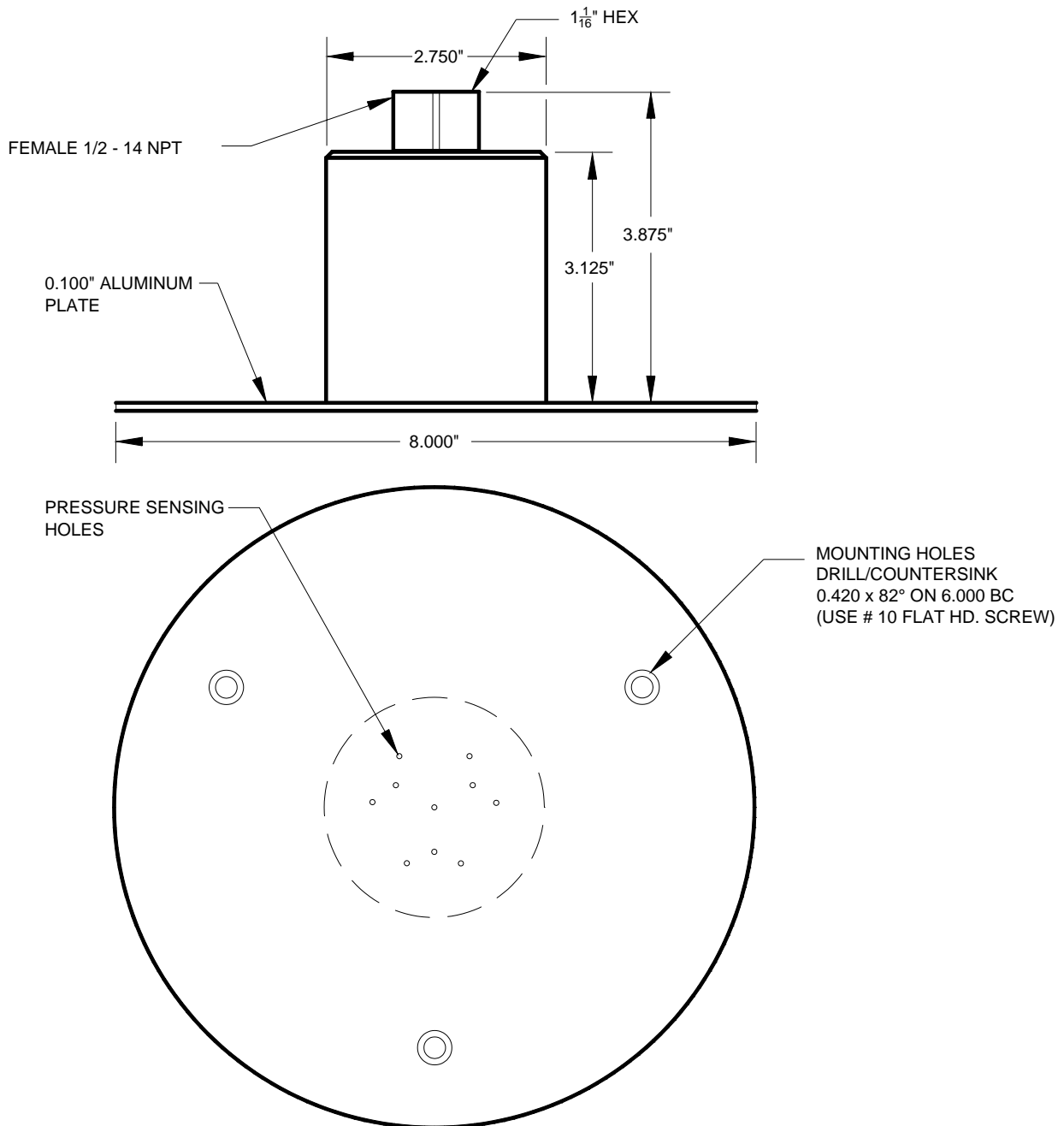
1/2" NPT

1/4" compression (optional)

3/4" compression (optional)

suitable for use with thermoplastic or copper tubing

## Dimensions



## PE-7000 Ordering Information

### PE-7000



- A = Aluminum
- SS = Stainless Steel
- N1 = 1/2" NPT fittings
- C1 = 1/4" compression fittings
- C2 = 3/4" compression

## PE-7000 Specification Guide

### Space (Room) Pressure Sensing Elements

1. Provide space static pressure sensors suitable for surface mounting. Each sensor is to be complete with multiple sensing ports, pressure impulse suppression, and field connection fitting. The sensing unit shall be constructed of [10 gage 6061 aluminum, with a brushed finish on exposed surfaces] [Type 304, 11 gage stainless steel, with a brushed finish on exposed surfaces].
2. These elements shall be capable of sensing the static pressure in the proximity of the sensor to within  $\pm 1\%$  of the actual pressure value.

### Manufacturer

1. Space static pressure sensors shall be Paragon Controls Inc. Model PE-7000 or equal as approved by the Engineer.
2. Naming of any manufacturer does not automatically constitute acceptance of this standard product nor waive the responsibility of the manufacturer to comply totally with all requirements of the proceeding specification.

