



PE-4002 SPACE PRESSURE SENSOR WITH MICROFIBER FILTER

DESCRIPTION

Model **PE-4002** Space Pressure Sensors with microfiber filter are designed to accurately sense space static pressure levels with a 0.01um particle retention. The design of the sensing ports and averaging chamber produces instantaneous pressure signals in areas with low terminal velocities (below 150 feet per minute [fpm]), and therefore cannot be located adjacent to diffusers, grills, or room entrances. The **PE-4002 with Microfiber Filter** is designed to fit in a standard 2 gang electrical utility box.

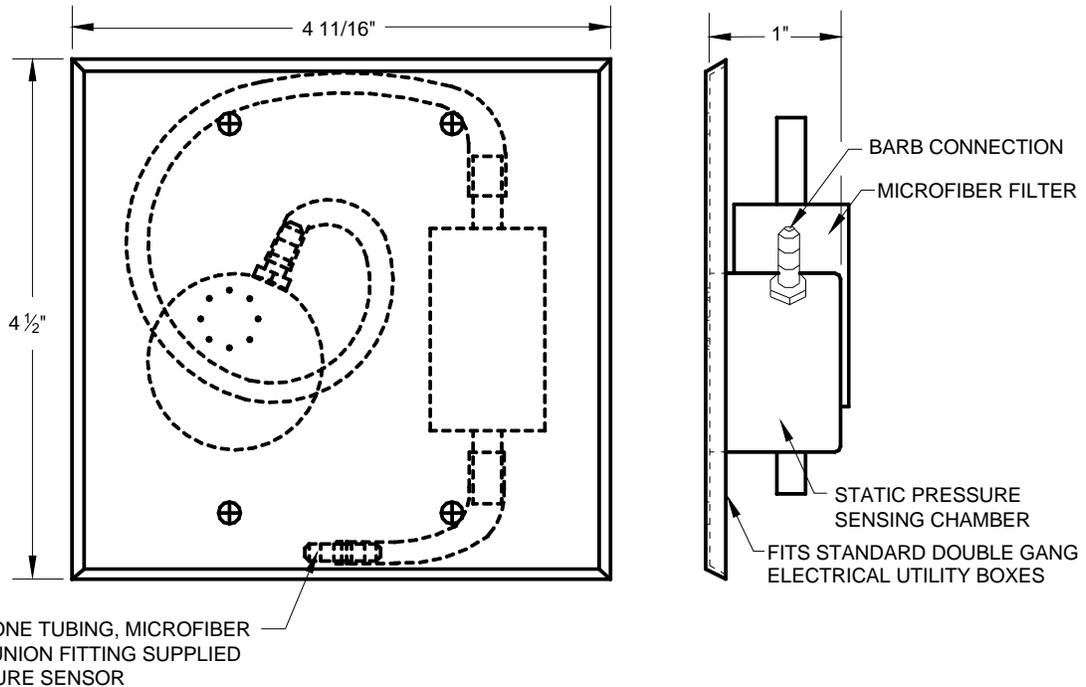
Features

- Low signal-to-noise ratio
- Multiple static pressure sensing ports
- Averaging internal manifold
- Particle retention of 0.01um
- $\pm 1\%$ accuracy of actual pressure
- Constructed of Type 304 stainless steel
- Furnished complete with mounting hardware and signal connection fitting

PE-4002 Technical Specifications

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| <p>1. Accuracy ± 1% of actual pressure</p> <p>2. Temperature 120°F continuous operation 170°F intermittent operation</p> <p>3. Humidity 0 to 100% non condensing</p> | <p>4. Corrosion Resistance Suitable for most environments</p> <p>5. Material Plate: Type 304 stainless steel Filter: Plastic housing with Borosilicate glass filter membrane</p> <p>6. Connection Fittings ¼" barb connection</p> |
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PE-4002 Dimensions



PE-4002 with Microfiber Filter Specification Guide

Space (Room) Pressure Sensing Elements

- Provide space static pressure sensors suitable for surface mounting. Each sensor is to be complete with multiple sensing ports, pressure impulse suppression, microfiber filter and field connection fitting. The sensing unit shall be constructed of Type 304 stainless steel with a brushed finish on exposed surfaces.
- These elements shall be capable of sensing the static pressure in the proximity of the sensor to within ±1% of the actual pressure value and have a particle retention of 0.01µm.

Manufacturer

- Space static pressure sensors shall be Paragon Controls Inc. Model PE-4002 with Microfiber Filter or equal as approved by the Engineer.
- 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.