

ROOM STATIC PRESSURE SENSOR()

Model RPS Series

Features

- * Accurate and Stable Measurement of Room, Space, Plenum, or Outdoor Air Static Pressure
- * Easy of Installation
- * Cost Effective
- * Available in Stainless, Aluminum, PVC, Brass, Carbon Steel Construction
- * Optional Material or Construction Available



The RPS Series Room Static Pressure Sensor is designed for accurate, smooth sensing of the actual static pressure within an enclosed space such as a laboratory, clean room, or other area.

The RPS Sensor senses average pressure changes at the exclusion of pressure waves created by moving objects or ventilation currents within the room. Precise pressure measurement and/or control of the room is possible when the RPS Sensor is used with a suitable pressure indicator or transmitter. Installation of the RPS Sensor may be mounted on a ceiling, wall, or floor, and in any mounting position required. A ceiling mount near the center of the room, away from avoidable air currents, is the preferred location. Very large rooms may require multiple sensors with the tubing manifold to provide an average.

Models are available with the pressure connection on the end or side of the cylinder-shaped device. The ceiling mount is designed with the pressure connection running through the mounting plate on the end of the cylinder. This design places the process tubing above the ceiling, out of sight.

SPECIFICATIONS FOR RPS Series

ACCURACY: Within 1% of average area pressure

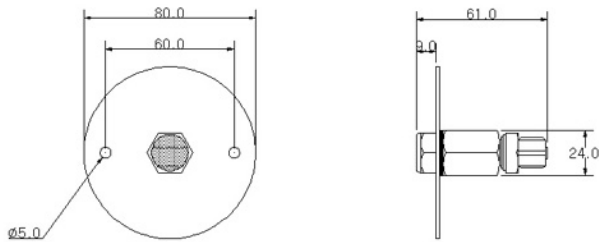
AREA LIMITATIONS: Maximum 10,000 sq.ft. sensed area per sensor (with sensor located in a +/-15% central location)

VELOCITY EFFECT: Rejects air velocity effects to 1200 fpm, any direction (360 degree). Rejects single-point pulses to 5000 fpm, any direction (3 ft. or more distance from sensor, one second duration).

MOUNTING CONFIGURATION: Available in Flush Mount, Exposed Mount, Wall Mount or Optional Configuration.

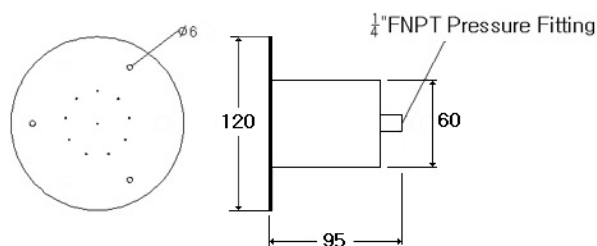
PROCESS CONNECTIONS: 1/4" NPT or Barbed Fitting Standard, others available upon request.

DIMENSION



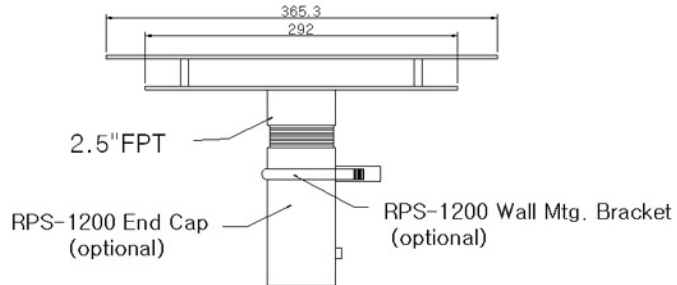
Economic Flush-mounted

- Accurate and stable measurement
- Ceiling-mounted or wall-mounted
- Minimum installation space
- Cost effective
- Available in variable material



Flush Mounted

- Accurate and stable measurement
- Mount flush with ceiling
- 102mm installation space
- Other styles possible
- Available in variable material



Outdoor Air Pressure

- Accurate and stable measurement
- Static measurement outdoors where wind velocity is a factor
- Velocity up to 5000 FPM
- Reduce the effects of Updraft and Downdraft

ORDERING INFORMATION

RPS – 1000 X : Economic Flush-mounted/Ceiling-mounted Room Static Pressure Sensor

RPS – 1100 X : Flush-mounted/Ceiling-mounted Room Static Pressure Sensor

RPS – 1200 X : Outdoor Air Pressure Sensor

* X : A(Aluminum) SS(Stainless Steel) P(PVC) B(Brass) CS(Carbon Steel)
0(Optional Material)