



A-465 Space Pressure Sensor

Installation and Operating Instructions



**Finished
Installation of
the A-465**



Parts List

- A1 – Wall plate
- A2 – Wall anchors
- A3 – Anchor screws
- A4 – Plastic tubing

The A-465 Space Pressure Sensor provides a clean solution for sensing space pressures. Typical applications include: sensing the pressure in clean rooms, laboratories and building lobbies. The kink resistant tubing provided is connected to tubing running to a pressure transducer, Magnehelic® Gage, VAV unit or any other type of pressure sensing device.

The sensor can be mounted on sheetrock walls, single gang electrical boxes or on ceiling tiles. The block free pressure reference opening on the A-465 ensures accurate readings at all times.

INSTALLATION

Wall Mounting

1. Select a suitable location complying with the gage manufacturer's recommendations. The most common location for room pressure measurement is on the wall next to the door inside the room at the 5 ft. level. The wall depth must be at least 2 in. and clear of any obstructions.

Another option is to mount the wall plate on the ceiling tile inside the room.

Note: Always check for proper clearance before cutting any holes.

2. Using the wall plate (A1) as a guide, mark the wall for the mounting anchors (A2) and the room reference fitting clearance.

3. Cut out the opening for the room reference fitting (usually a 1 in. hole works best) and drill the anchor holes with a 3/16 in. drill. Install the wall anchors (A2).

4. Push the plastic tubing piece (A4) onto the reference fitting and connect the tubing to the Magnehelic® Gage or other pressure sensing device.

5. Mount the wall plate to the wall or other flat surface using screws (A3).

6. Verify the pressure measurement from the wall sensor is accurate to the actual pressure in the space (this assures there aren't any kinks or leaks in the tubing run). Installation is now complete.

INSTALLATION DIAGRAM

