



# Planning & Installation

Review site area for Ante-Room (If used) and job site entrance area for placement of A.P.M. unit. The A.P.M. needs to be mounted where it will be logged daily/hourly, so mounting near the job site entrance for ease and a visual 'reminder' that it needs to be checked.

Longer air tube lines may be added to accommodate most installation concerns found during installation review.

Typically the unit should be mounted OUTSIDE the jobsite and in view of facility staff and AIMS supporting staff (Superintendents, Safety, Prj. Managers) and associated forms/log sheets near by.

Never mount the air line tubes where they end near an HVAC supply or return vent. Avoid mounting the air line tubes where they end near an active door swing or hepa/fan air movement as they will cause false readings.

The reference tube (short) should be run outside and downward from the cabinet into the airspace outside the jobsite. The opening should be downward to prevent dust from settling into the tube. The use of tape to hold the tube in place on the wall is recommended.

The room tube (long) should be run from the cabinet into the jobsite thru a sealed hole in the temp wall or other access point where the tube will not be disturbed during the length of the project. Readings are greatly affected when the tube is pinched, crushed or mashed in wall, door or window as well as ceiling tile locations. Mount the open end of the tube facing down to keep out dust and debris from settling inside the air line.

The cabinet should be mounted on the wall outside the jobsite away from the door frame of the job site entrance – door slamming will affect the unit and wall vibration should be avoided.

This unit is very sensitive to air pressure and using the correct air supply parts are critical to having a calibrated monitor, effective in tracking air pressure.

Mount the unit at 58" to bottom on appropriate wall location.

Installation can be performed and the Reference and Room are connected to the gage.

After installation of unit, follow START UP procedure to certify unit for monitoring.

Mount Log sheet or Log sheet clip board next to unit (If required.)

# START UP PROCEDURE

THE A.P.M. gage uses fluid and diaphragms to define an air differential between the reference air pressure and room/job site air pressure. The unit needs to be validated during installation prior to using it for accurate and reliable monitoring of air pressure. This procedure MUST be completed, it MUST be done every time the unit is installed at a job site and MUST be adhered to for proper pressure readings.

1. The unit is mounted plumb on the wall, the air lines are connected to the gage.
2. with the reference tube and supply tube openings next to each other, the needle should be at 0 on the face of the gage.
3. Notice the pressure reading. If it is NOT 0 then you must zero out the gage while both tube ends are side by side without restrictions.
4. TO ZERO GAUGE PRESSURE READING – Initial setup.  
*UNIT MUST BE MOUNTED PLUMB ON THE WALL AND CALM FOR SEVERAL MINUTES FOR FLUID AND DIAPHRAMS TO ADJUST TO LOCAL TEMPERATURE AND BASELINE PRESSURE.*

The reference and supply tube ends side by side, the gage can be zeroed out.

Using a flat blade screwdriver, carefully turn in either direction of the set screw to move the needle to zero (0).

The gauge should now hold at ZERO (0) differential face.

Install the supply tube into the jobsite and mount end of tube facing down.

Date: \_\_\_\_\_

A.P.M Number (Mx): \_\_\_\_\_

Installer: \_\_\_\_\_

Print your name clearly

Project Number: \_\_\_\_\_

Project Name: \_\_\_\_\_

Installed per M01 manual specifications: \_\_\_\_\_  
Initials

Zero calibration "Start Up" completed: \_\_\_\_\_  
Initials

Static pressure reading with ICRA in place: \_\_\_\_\_  
(All doors/windows/seals in place – HEPAs running)

Room Settings: \_\_\_\_\_ WC

Date: \_\_\_\_\_

A.P.M Number (Mx): \_\_\_\_\_

Installer: \_\_\_\_\_

Print your name clearly

Project Number: \_\_\_\_\_

Project Name: \_\_\_\_\_

Installed per M01 manual specifications: \_\_\_\_\_  
Initials

Zero calibration "Start Up" completed: \_\_\_\_\_  
Initials

Static pressure reading with ICRA in place: \_\_\_\_\_  
(All doors/windows/seals in place – HEPAs running)

Room Settings: \_\_\_\_\_ WC