

**IMPORTANT INSTALLATION NOTES**

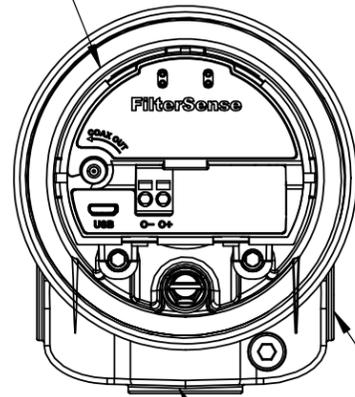
- HAZARDOUS AREA LOCATIONS: VERIFY REQUIRED CLASS AND DIVISION AGAINST SPECIFICATION LISTED ON THE PROCESS DEVICE TAG
- DO NOT INSTALL ANY EQUIPMENT THAT IS NOT TAGGED SUITABLE FOR THE AREA CLASSIFICATION.
- BEFORE INSTALLATION VERIFY THE DEVICE IS TAGGED SUITABLE FOR THE REQUIRED AMBIENT TEMPERATURE, PROCESS TEMPERATURE, PROCESS PRESSURE, AND WETTED MATERIALS.
- THIS DEVICE IS NOT DESIGNED FOR USE AS A FUNCTIONAL SAFETY DEVICE. THE DEVICE MUST NOT BE USED AS PART OF, OR AS AN INPUT TO A SAFETY SYSTEM.
- ADHERE TO NEC, CEC, NEMA, NFPA, OSHA INSTALLATION AND MAINTENANCE GUIDELINES AND ALL APPLICABLE LOCAL CODES.
- INSTALLATION AND SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL WHILE POWER IS DISCONNECTED AND THE PROCESS IS OFF

**REVISIONS**

REV.	DESCRIPTION	DATE	DRAWN BY
A	CREATED DRAWING	11/21/2024	NPV

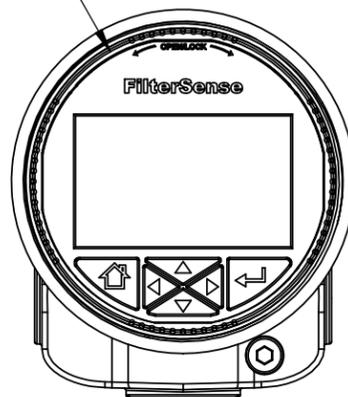
**ENCLOSURE SHOWN WITH COVER REMOVED**

ELECTRONICS (PM 1 PRO-T SHOWN)



**ENCLOSURE SHOWN WITH COVER**

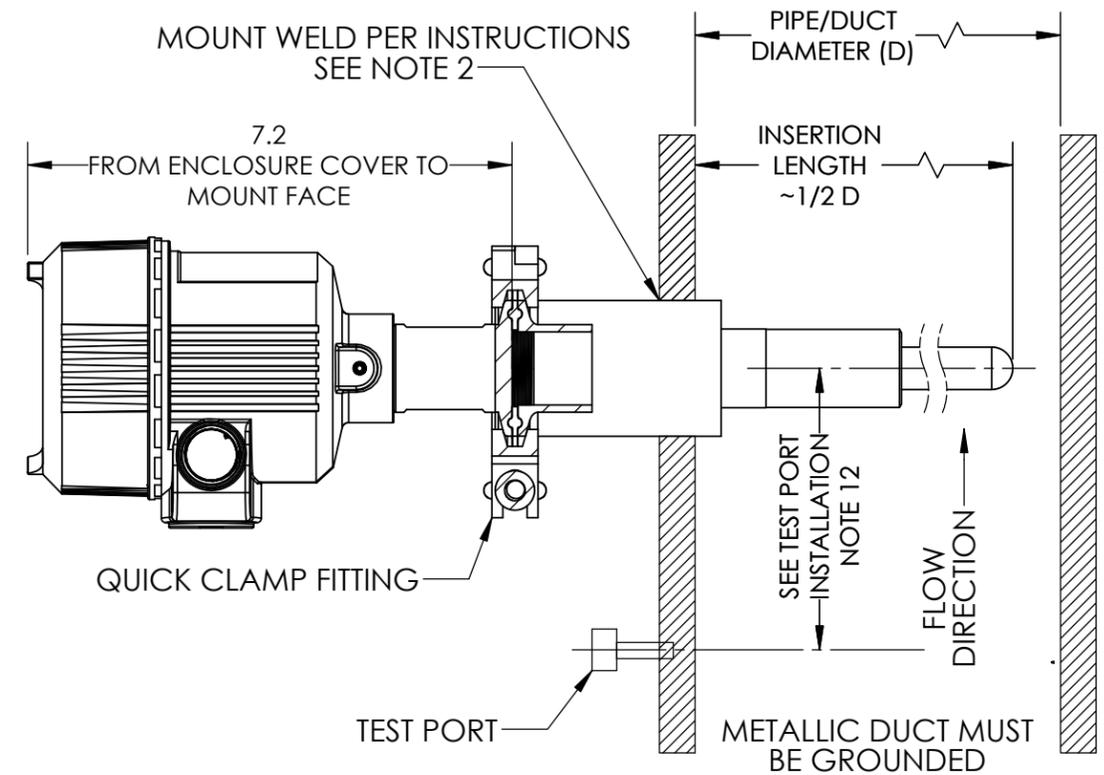
DISPLAY PUCK (PM 1 PRO-T SHOWN)



2X 1/2" NPT CONDUIT ENTRY

3/4" NPT CONDUIT ENTRY

**TYPICAL MOUNTING EXAMPLE**



**INSTALLATION INSTRUCTIONS:**

- SEE DIAGRAM AND REFER TO MANUAL (2806244 SECTION 4) FOR ADDITIONAL RECOMMENDATIONS ON SENSOR LOCATION.
- WELD PROCESS FITTING TO PIPE/DUCT AS SHOWN. CONDUCT A FULL WELD AROUND FOR AIR AND WATER TIGHT SEAL. WELD IN CENTER OF PIPE/DUCT AND PERPENDICULAR TO AIR FLOW. ALIGNMENT IS NOT CRITICAL.
- WHEN MOUNTING THE SENSOR IN A STACK, DO NOT PLACE IN A LOCATION THAT MAY ALLOW RAIN OR AMBIENT DUST TO FLOW OVER PROBE. AVOID ANGLING PROBE DOWNWARD.
- WELD TO SURFACE CAPABLE OF SUPPORTING AT LEAST 5 (FIVE) TIMES THE SENSOR WEIGHT.
- REPLACE INSULATION AROUND MOUNT THAT MAY HAVE BEEN REMOVED DURING INSTALLATION.

**PARTICULATE SENSOR COAXIAL CABLE INSTALLATION:**

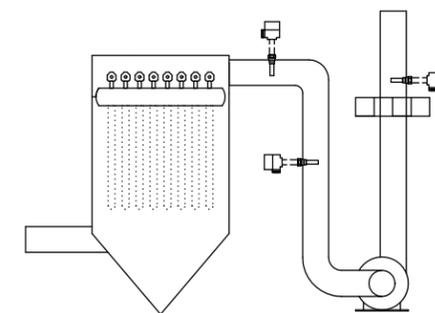
- DO NOT SUBSTITUTE AND DO NOT ROUTE WITH ANY OTHER CABLE, EXCEPT FOR OTHER PARTICULATE SENSOR CABLES.
- MAINTAIN SEPERATION OF 18 INCHES (0.5 METERS) FROM OTHER CABLING AND INDUCTIVE ENERGY SOURCES. CROSS CONDUCTORS AT RIGHT ANGLES.
- ALL CABLES MUST BE ENCLOSED IN GROUNDED METAL CONDUITS.
- INSTALL A SERVICE LOOP OF SHIELDED FLEX CONDUIT AT THE SENSOR-END THAT IS 1 (ONE) TO 2 (TWO) TIMES THE SENSOR PROBE LENGTH.

**TEST PORT INSTALLATION:**

- INSTALL SENSOR TEST PORT IN NON-HAZARDOUS AREAS ONLY.
- TEST PORT SHOULD BE INSTALLED IN A NEGATIVE PRESSURE LOCATION.
- LOCATE TEST PORT AT LEAST 3' [1 METER] UPSTREAM OF SENSOR ON THE SAME SIDE OF CUT. TEST PORT LOCATIONS CLOSER THAN 3' [1 METER] ARE POSSIBLE WITH PROBE LENGTHS OF 5" [0.13 METERS] OR LESS

INSERTION LENGTHS	
INCH	MM
1.5	38
3	76
6	152
12	305
18	457
24	610
30	762
36	914

**TYPICAL MOUNTING LOCATIONS**



SEE NOTE 3

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	<b>Auburn FilterSense LLC</b>	
DIMENSIONS ARE IN INCHES		DRAWN	NPV		11/21/2024
TOLERANCES:		CHECKED	-		
FRACTIONAL ± 1/32		ENG APPR.			
ANGULAR: MACH ± .25		MFG APPR.			
ANGULAR: BEND ± .5		PROPRIETARY AND CONFIDENTIAL			
TWO PLACE DECIMAL ± .01		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AUBURN FILTERSENSE LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AUBURN FILTERSENSE LLC IS PROHIBITED.			
THREE PLACE DECIMAL ± .005		TITLE:			
INTERPRET GEOMETRIC TOLERANCING PER:		INSTALLATION DRAWING, PM 1 PRO, 2.0" QUICK-CLAMP			
MATERIAL SEE NOTES		SIZE	DWG. NO.	REV	
FINISH SEE NOTES		<b>B</b>	2816170	<b>A</b>	
DO NOT SCALE DRAWING		SCALE = NONE	WEIGHT:	SHEET 1 OF 1	