

MODEL NUMBER DESIGNATION
#####-###/#####-####+X

BRAND:
PMT = PENBERTHY

MOUNTING STYLE:
G = GAGE MOUNT

HOUSING:
A2 = ALUMINUM DUAL COMPARTMENT
S2 = STAINLESS STEEL DUAL COMPARTMENT

TRANSMITTER ORIENTATION: (A-Z)
A = TOP LEFT HAND (STD.)
B = TOP RIGHT HAND
C = BOTTOM RIGHT HAND
D = BOTTOM LEFT HAND

MAX SENSING RANGE: 12" TO 360" [304.8mm TO 9144mm]
IN 1-INCH INCREMENTS (EXAMPLE: 48" = 048)
(DETERMINED BY MANUFACTURER)

ORDER LENGTH/MEASURING RANGE: 12" TO 360" [304.8mm TO 9144mm]
IN HUNDREDTHS OF AN INCHES (EXAMPLE: 100.10" = 10010)

MISCELLANEOUS
SEE NOTE 9

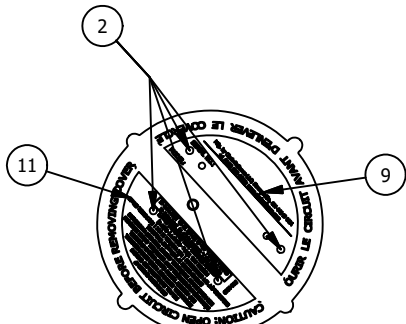
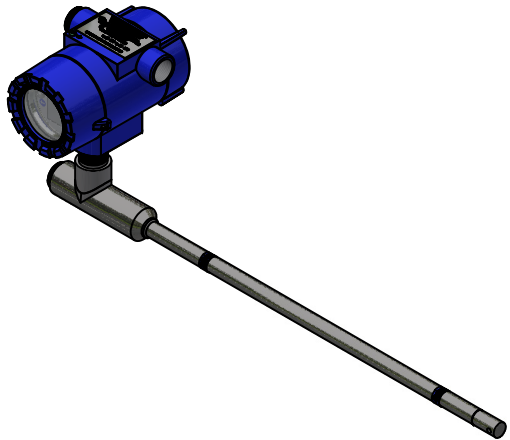
NULL

NULL

AREA CLASSIFICATION
0 = ORDINARY LOCATION (IP66/TYPE 4X)
1 = NORTH AMERICAN EXPLOSION PROOF / FLAMEPROOF (IP66/TYPE 4X)
2 = NORTH AMERICAN INTRINSIC SAFETY (IP66/TYPE 4X)
3 = ATEX / IECEx FLAMEPROOF (IP66/TYPE 4X)
4 = ATEX / IECEx INTRINSIC SAFETY (IP66/TYPE 4X)

LEVEL
S = SINGLE LEVEL
D = DUAL LEVEL

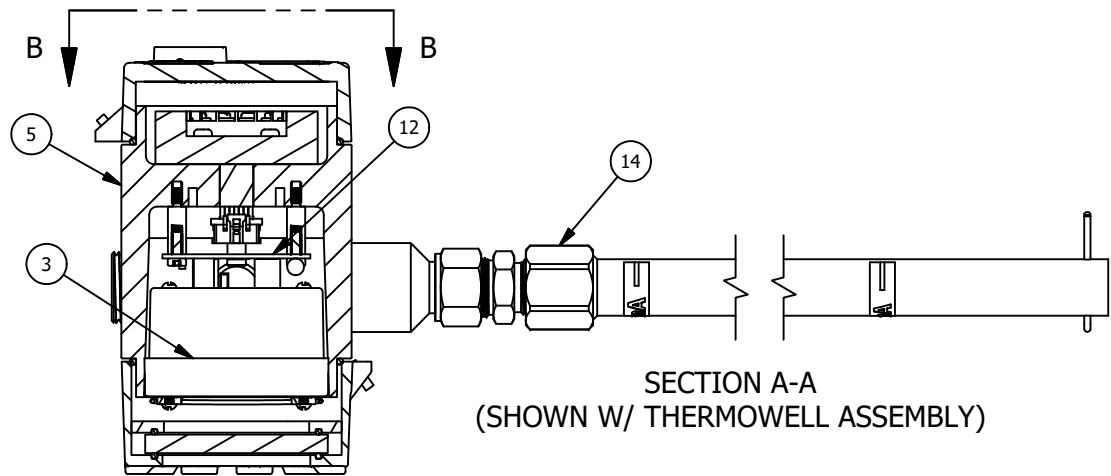
PROCESS CONDITION (A-Z), SEE NOTE 4
S = STANDARD
C = COLD TEMP (INSULATION SAFEGUARDS REQUIRED)
V = VIBRATION (SPECIAL MOUNTING BRACKETS)



VIEW B-B

BILL OF MATERIAL					
NO.	PART NO.	QTY.	NAME OF PART	MATERIAL	SPARE PART AVAILABLE
1	CI35152 ##	1	CONTROL AND INSTALLATION DRAWING	N/A	N/A
2	P1654 P	4	DRIVE RIVET	STAINLESS STEEL	NO
3	S25318 P	1	PCB MODULE ASSEMBLY	N/A	YES
4	S25371 ###00 ^a	1	SENSOR PROBE	STAINLESS STEEL	NO
5	S25530	1	ENCLOSURE	EPOXY COATED ALUMINUM OR STAINLESS STEEL	NO
6	V22319	1	4MA LABEL	LEXAN	NO
7	V22320	1	20MA LABEL	LEXAN	NO
8	V22667 #	SEE NOTE 6	ATEX/IECEx SEAL FITTING	STAINLESS STEEL, BRASS OR NICKLE PLATED BRASS	NO
9	V22683 #	1	MODEL/SERIAL NUMBER TAG	ALUMINUM OR STAINLESS STEEL	NO
10	X170950	2	STOPPING PLUG	STAINLESS STEEL	NO
11	RATING TAG PER ORDER	1	PER ORDER	ALUMINUM OR STAINLESS STEEL	NO
12	V22403	1	BASE PCB	N/A	YES
13	S25213 2.0/2.5/3.0 (NULL OR VIB)	NOT SHOWN	MOUNTING HARDWARE	STAINLESS STEEL	YES
14	S25656 ### T	SEE NOTE 5	THERMOWELL ASSEMBLY	N/A	NO
15	V22708 T	SEE NOTE 7	STOP COLLAR	STAINLESS STEEL	YES

^a = "#####" SIGNIFIES THE ORDER LENGTH PER ORDER ON 1-INCH INCREMENTS IN HUNDREDTHS OF AN INCH



HAZARDOUS AREA CERTIFICATIONS

EXPLOSION PROOF



ETL (USA, CANADA)

- Class I, Div. 1 and 2/ Groups B, C, D; T6
- Class I, Zone 1, AEx db IIB+H2 T6
- Ex db IIB+H2 T6 Gb
- 40°C ≤ Ta ≤ +60°C (-40°F ≤ Ta ≤ +140°F)



ATEX

- II 2 G Ex db IIB+H2 T6 Gb
- 40°C ≤ Ta ≤ +60°C (-40°F ≤ Ta ≤ +140°F)



IECEx

- Ex db IIB+H2 T6 Gb
- 40°C ≤ Ta ≤ +60°C (-40°F ≤ Ta ≤ +140°F)

INTRINSIC SAFETY

ETL (USA, CANADA)

- Class I, Div. 1 and 2 Groups C, D; T4
- Class I, Zone 1, AEx db ia IIB T4 Gb
- Ex db ia IIB T4 Gb
- 40°C ≤ Ta ≤ +60°C (-40°F ≤ Ta ≤ +140°F)

ATEX

- II 2 G Ex db ia IIB T4 Gb
- 40°C ≤ Ta ≤ +60°C (-40°F ≤ Ta ≤ +140°F)

IECEx

- Ex db ia IIB T4 Gb
- 40°C ≤ Ta ≤ +60°C (-40°F ≤ Ta ≤ +140°F)

- NOTES:
- PMT APPLICATION SHEET, PB200.03, MUST BE PROVIDED FOR RETROFIT UNITS AT THE TIME OF ORDER.
 - 'MEASURING RANGE', WHICH MAY VARY FROM 'MAX SENSING RANGE', IS THE EXACT DISTANCE FROM THE LOWEST (4mA) TO THE HIGHEST (20mA) LEVELS THE TRANSMITTER SHOULD MEASURE. IT MUST BE PROVIDED AT THE TIME OF ORDER.
 - 'MAX SENSING RANGE' (MSR) IS THE MAX. DISTANCE A TRANSMITTER COULD MEASURE, ON WHOLE-INCH INCREMENTS, DRIVING THE OVERALL LENGTH OF THE UNIT.
 - INSULATION BLANKET REQUIRED FOR PROCESSES OVER 350°F [176°C]. TRANSMITTER MUST BE MOUNTED OUTSIDE OF INSULATION.
 - THERMOWELL REQUIRED WHERE ICING/CONDENSING WILL OCCUR DUE TO COLD PROCESS CONDITIONS.
 - SEAL FITTING (ITEM 8, INSTALLED BETWEEN HOUSING & TEE, NOT SHOWN) PROVIDED WHEN 'AREA CLASSIFICATION' OF MODEL CODE IS EITHER 3 OR 4. QUANTITY = 1.
 - STOP COLLAR (ITEM 15, INSTALLED ON THE SENSOR TUBE ABOVE THE TOP MOST CLAMP, NOT SHOWN) PROVIDED WHEN 'PROCESS CONDITION' OF MODEL CODE IS EQUAL TO "V". QUANTITY = 1.
 - DIMENSION FORMAT = INCHES [millimeter].
 - EXTERNALLY MOUNTED COMPONENTS, NOT IMPACTING INTERNAL VOLUME OR AGENCY CERTIFICATION.



PMT™ -SERIES GAGE MOUNT
TWO WIRE LEVEL TRANSMITTER WITH HART®

PENBERTHY®

DRAWING NO.: A-35152-G-PB-SALES		REV.: 0
DRAWN: SH	TOLERANCES (U.O.N.): C/C Dimensions: ± .125" Dimension Spanning: ± .125" Welded Parts: ± .125" Angles: ± 1° (See PES-004 for details)	
CHECKED: RB		
DATE: 2/25/2025		
REV: 0 25-025: SH: 02/26/2025		

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