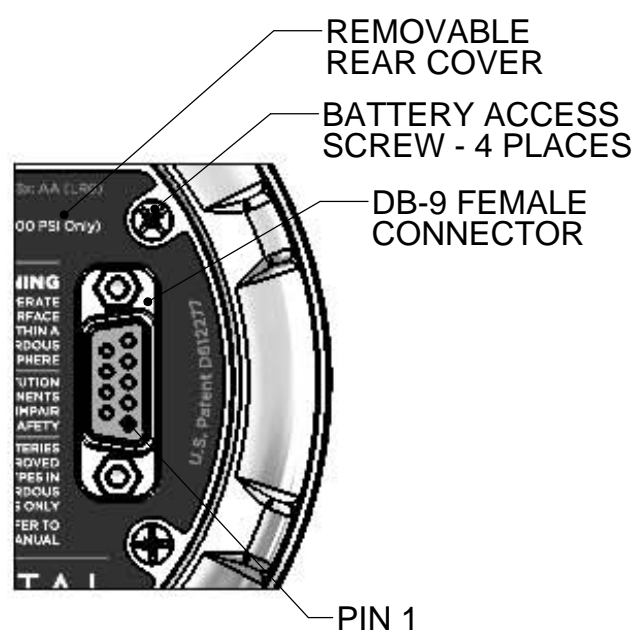
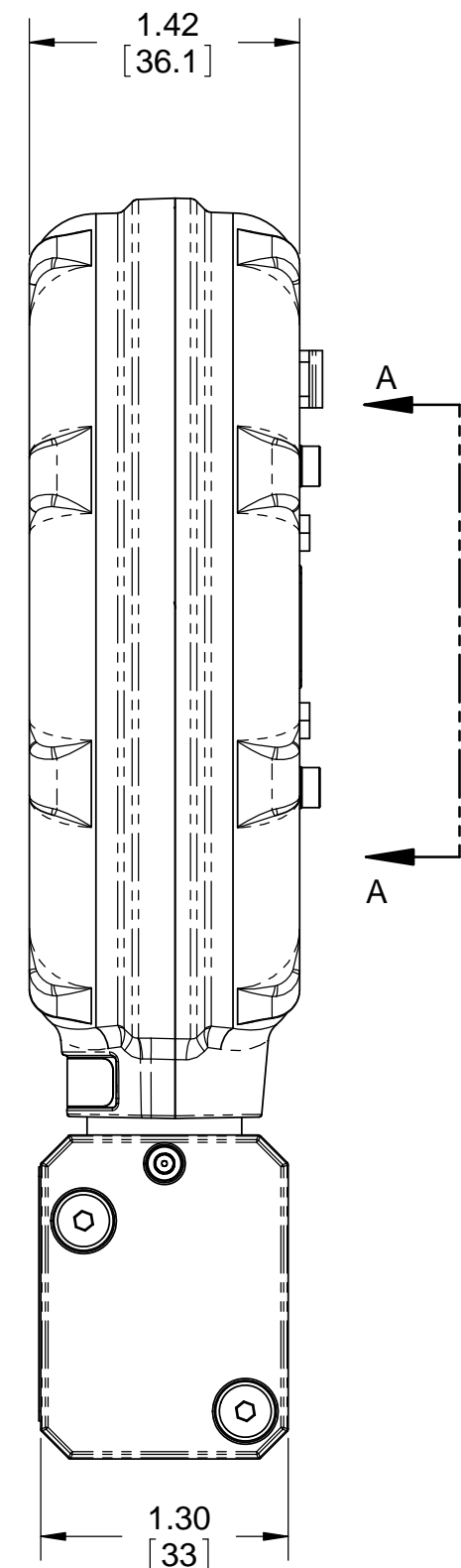
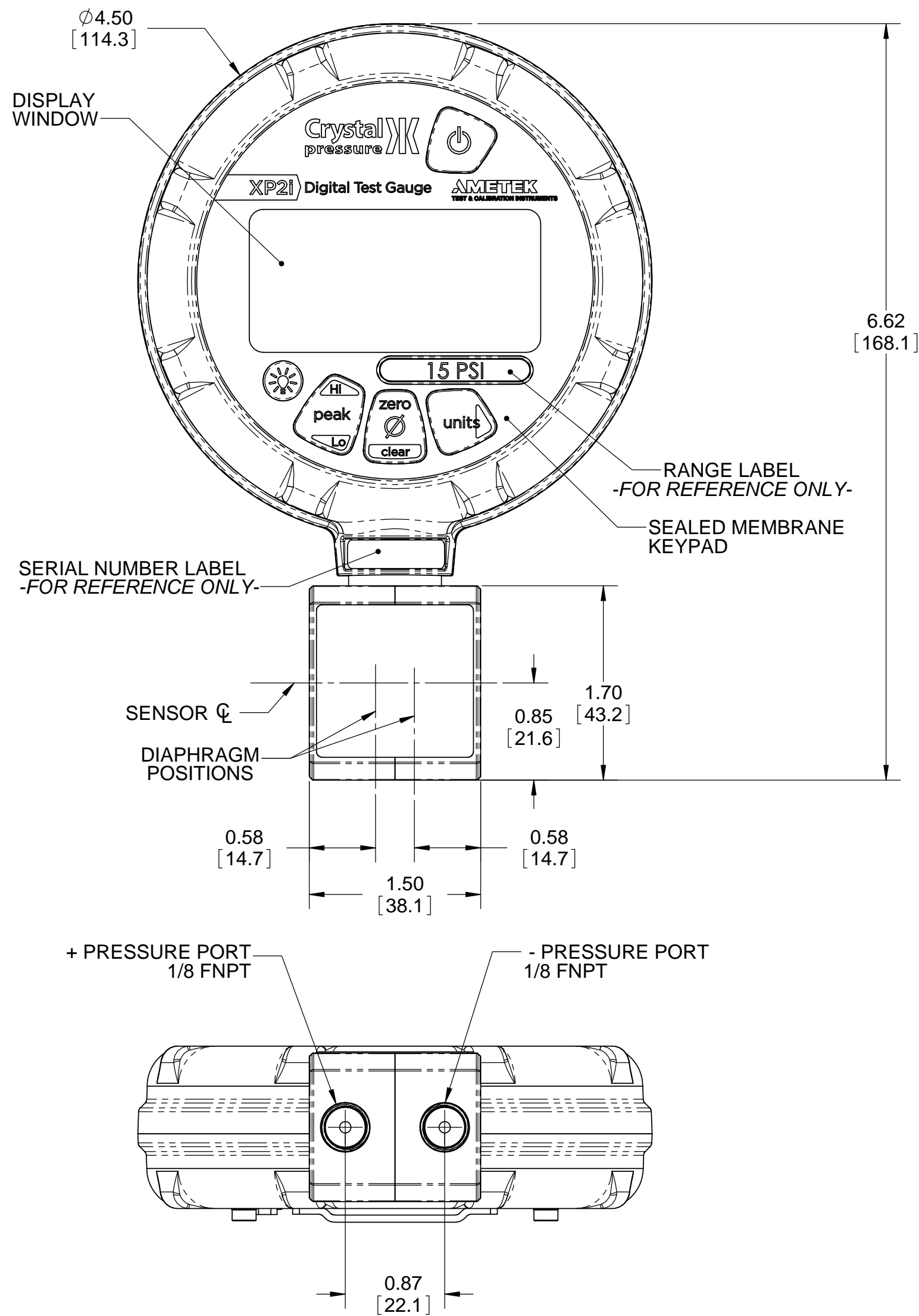


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/11/12	ON FILE
B	UPDATED GRAPHICS AND ADDED CSA	7/29/2013	ON FILE



SECTION A-A

RS232 CONNECTOR CONNECTOR PINOUT

PIN	FUNCTION
1	NC
2	TX
3	RX
4	DTR
5	COM
6	NC
7	RTS
8	NC
9	NC

PROPRIETARY NOTICE
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SPECIFICATIONS

PRESSURE RANGE: SEE PRESSURES AND RESOLUTIONS CHART

PRESSURE ACCURACY: 20 - 100% OF FULL SCALE $\pm(0.1\%$ OF READING)
0 - 20% OF FULL SCALE $\pm(0.02\%$ OF FULL SCALE)
STATIC LINE PRESSURE EFFECT: 0.0003 PSI PER PSI APPLIED

POWER: THREE AA (1.5V) AA; RAYOVAC MAXIMUM PLUS, ENERGIZER® E91, ENERGIZER® EN91, OR DURACELL MN1500. USE OF ANY OTHER BATTERY VOIDS INTRINSIC SAFETY RATINGS

PRESSURE CONNECTION: TWO 1/8"-27 FEMALE NPT.

ENCLOSURE: NICKEL-PLATED ALUMINUM ALLOY CASE, AUTOFLEX-EBG10 MEMBRANE SWITCH PANEL.

WEIGHT: 915 g (2.0 lbs), INCLUDING BATTERIES

PRESSURE PORT MEDIA COMPATIBILITY: LIQUID AND GASES COMPATIBLE WITH 300 SERIES STAINLESS STEEL AND BUNA-N (O-RING).

OPERATING AND COMPENSATED TEMPERATURE RANGE: -10°C TO +50°C (14°F TO 122°F).

STORAGE TEMPERATURE RANGE: -40°C TO +75°C (-40°F TO 167°F).

CERTIFICATIONS:
INTRINSICALLY SAFE:
CSA: CLASS I, DIVISION 1, GROUPS A, B, C, AND D - T4/T3C (CANADA AND U.S.)
ATEX: II 1G Ex ia IIC T4/T3 Ga FTZU 12 ATEX 0048X
IECEX SCHEME: Ex ia IIC T4/T3 Ga IECEX FTZU 12.0009X

OTHER:
C-TICK: COMPLIES WITH AUSTRALIAN C-TICK
DNV: COMPLIES WITH DNV'S RULES FOR CLASSIFICATION OF SHIPS, HSLC AND OFFSHORE STANDARDS

DIMENSIONS ARE IN INCHES [MILLIMETERS]

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

PROTECTIVE BOOT OPTION SHOWN ON SHEET 2

MOUNTING FLANGE AND REAR PORT OPTIONS SHOWN ON SHEET 2

PRESSURES AND RESOLUTIONS

AVAILABLE PRESSURES				AVAILABLE UNITS AND DISPLAY RESOLUTIONS								
PSI	bar	kPa (1)	OVERPRESSURE (+/- PORTS)	PSI	kg/cm2	"Hg	"H2O	mmHg	mmH2O	kPa	bar	mbar
15	1	100	6.5x / 3.0x	0.001	0.0001	0.001	0.01	0.01	1	0.01	0.0001	0.1
100	7	700	2.0x / 2.0x	0.01	0.0001	0.01	0.1	0.1	1	0.01	0.0001	0.1

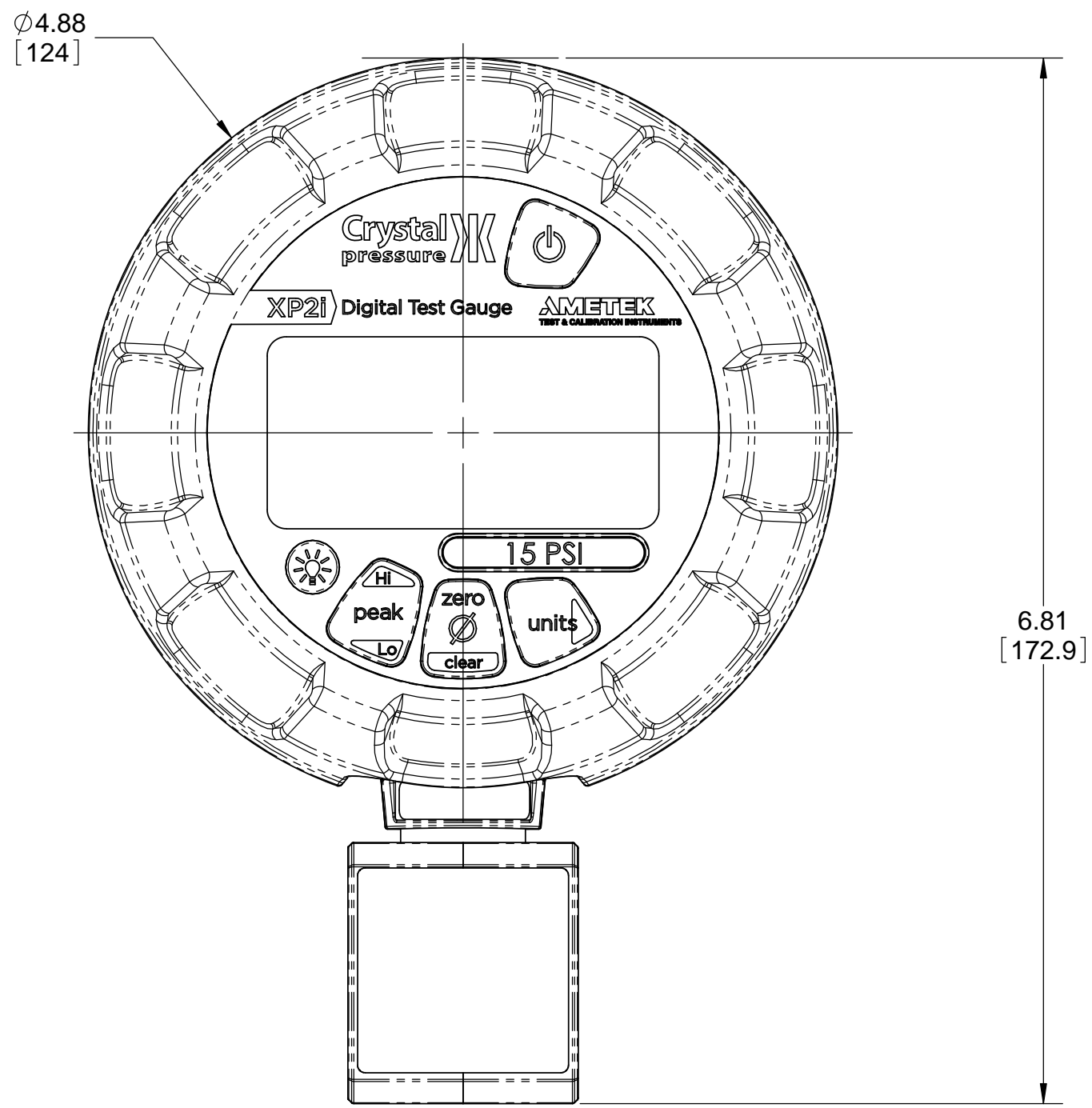
(1) kPa MODELS DISPLAY PRESSURE IN kPa, MPa, bar, mbar if applicable.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES .XXX \pm .005 .XXXX \pm .001

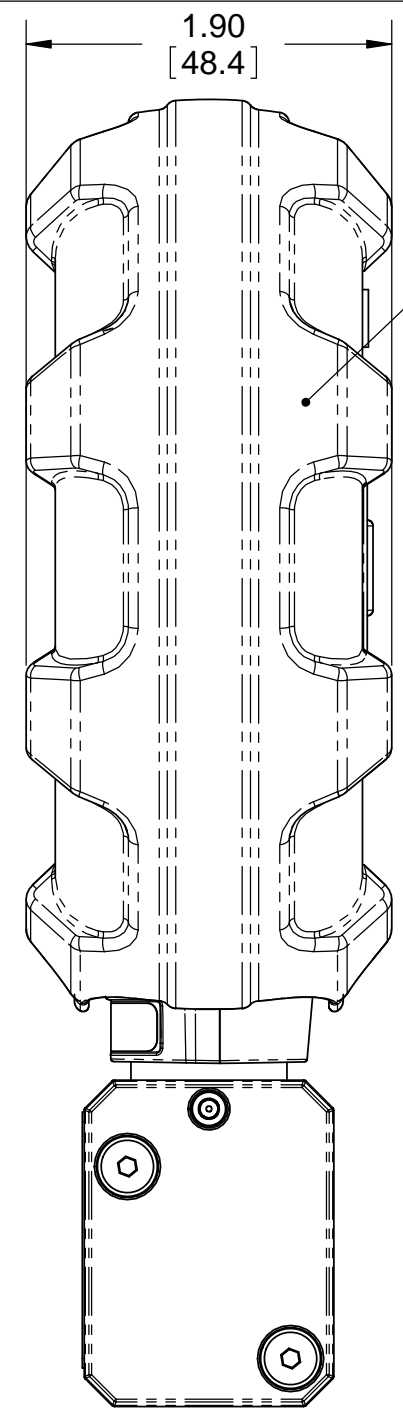
CRYSTAL (805) 595-5477
engineering corporation www.crystalengineering.net

XP21-DP SERIES PRESSURE GAUGE

APPROVALS	DATE	SCALE: 1:1	SIZE	DRAWING NO.	REV
DRAWN M.J.Cain	9/27/12		C	4995	B
CHECKED T.Leger	10/11/12				
MFG. ENGR. M.J.Cain	10/11/12				
Q.A. D.Porter	10/11/12	DO NOT SCALE DRAWING			SHEET 1 OF 2



UNIT SHOWN WITH OPTIONAL PROTECTIVE BOOT

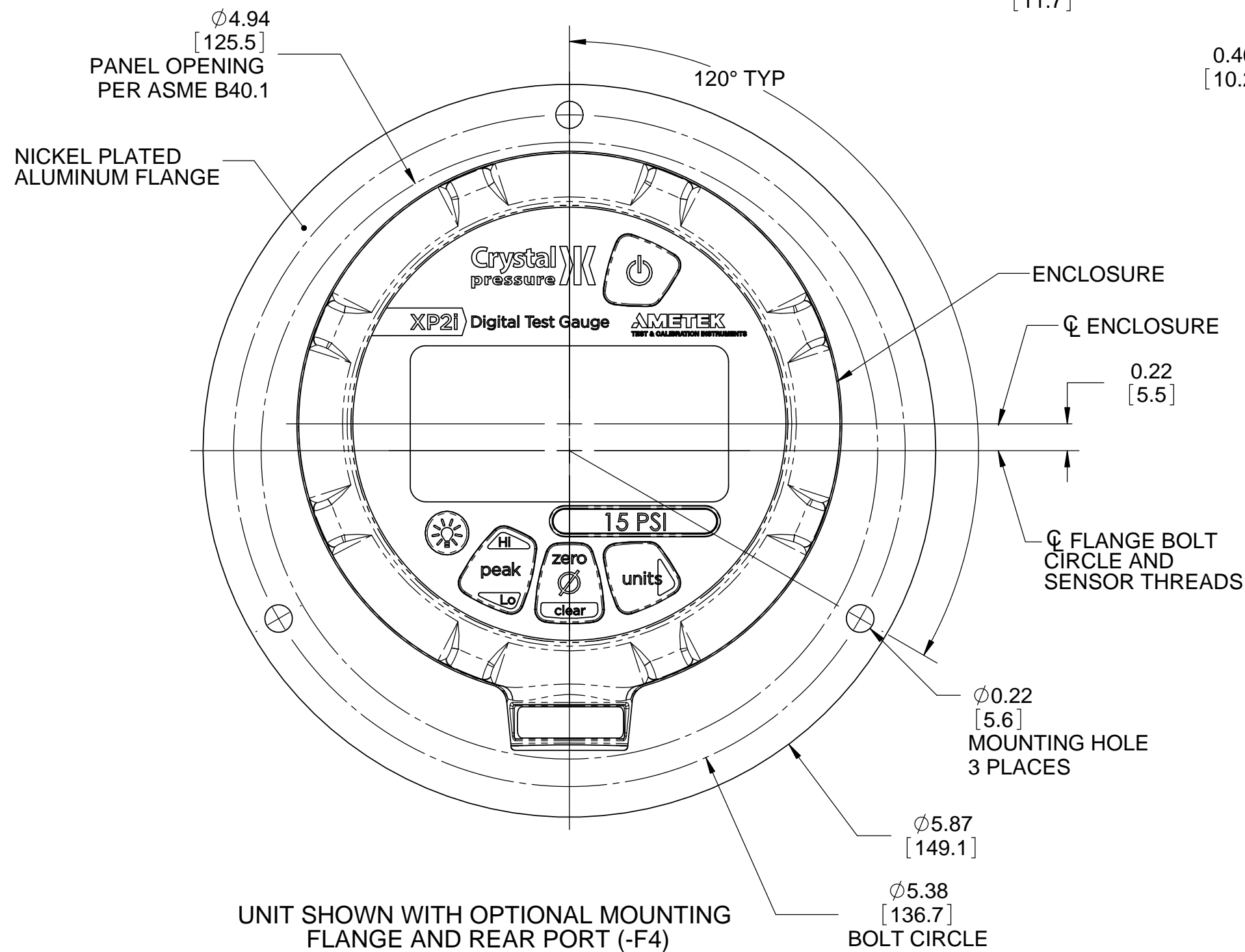


PROTECTIVE BOOT
 COLOR: BLUE
 MATERIAL: POLYPROPYLENE BLEND
 HARDNESS: 55 SHORE A

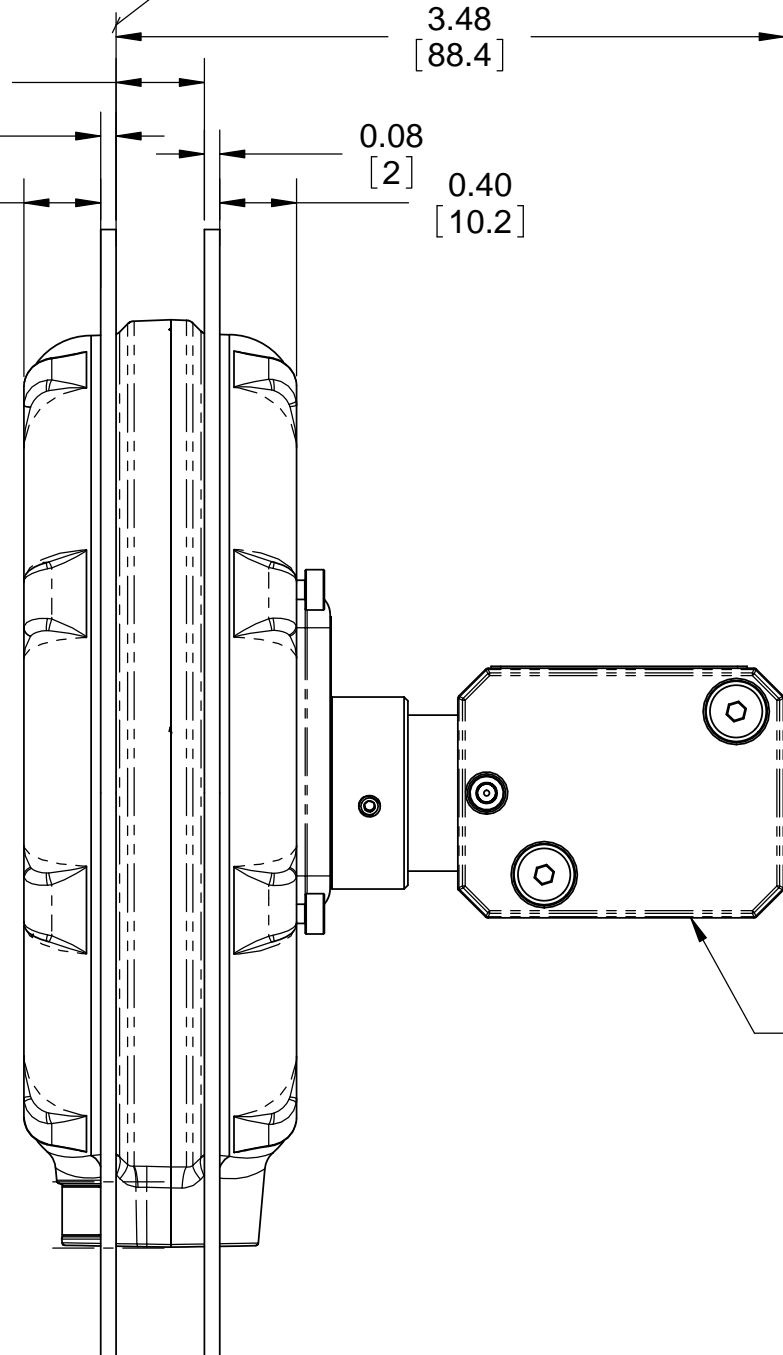
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
-	See Sheet1	-	-

NOTES:
 REFER TO SHEET 1

SEE "XP2i FLANGE MOUNTING KIT ASSEMBLY INSTRUCTIONS"
 (CRYSTAL ENGINEERING P/N 3962) FOR FLANGE MOUNT PANEL
 CUT-OUT DIMENSIONS, TEMPLATE AND ASSOCIATED INFORMATION.



UNIT SHOWN WITH OPTIONAL MOUNTING FLANGE AND REAR PORT (-F4)



REAR PORT CONFIGURATION
 NOTE: REAR PORT IS AVAILABLE AS AN
 OPTION WITHOUT FLANGE (-RP)

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES .XXX ± .005 .XXXX ± .001		CRYSTAL (805) 595-5477 engineering corporation www.crystalengineering.net	
APPROVALS		DATE	
DRAWN M.J.Cain		9/27/12	
CHECKED T.Leger		10/11/12	
MFG. ENGR. M.J.Cain		10/11/12	
Q.A. D.Porter		10/11/12	
SCALE: 1:1		SIZE C	DRAWING NO. 4995
DO NOT SCALE DRAWING		SHEET 2 OF 2	