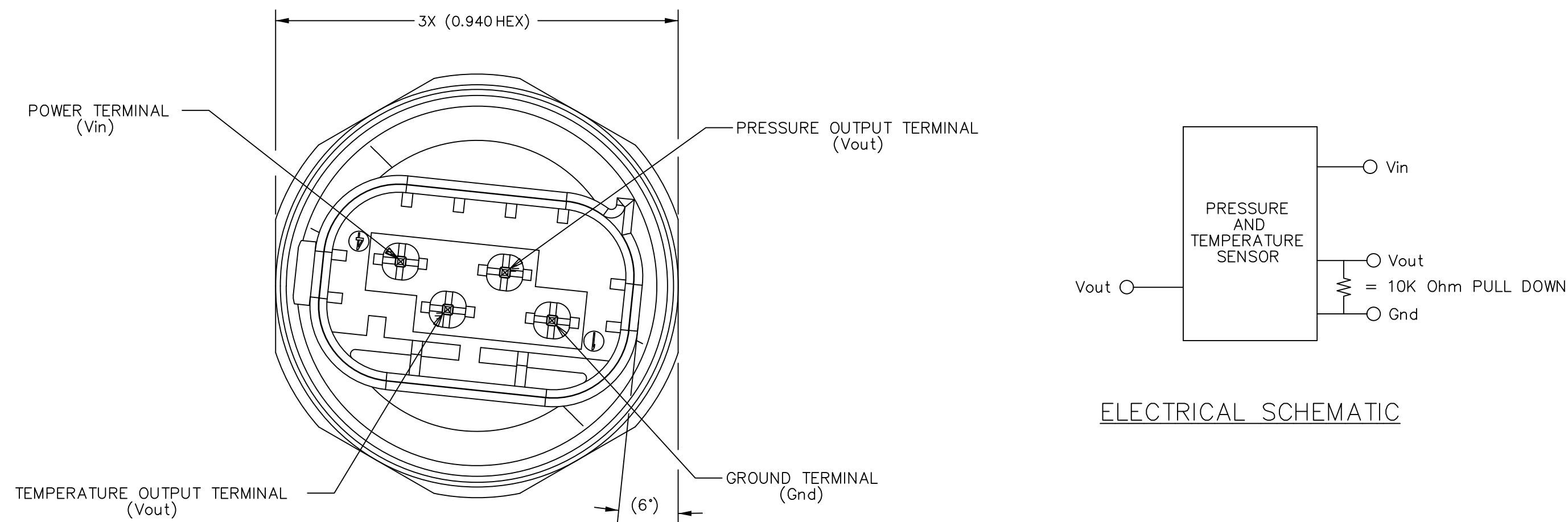
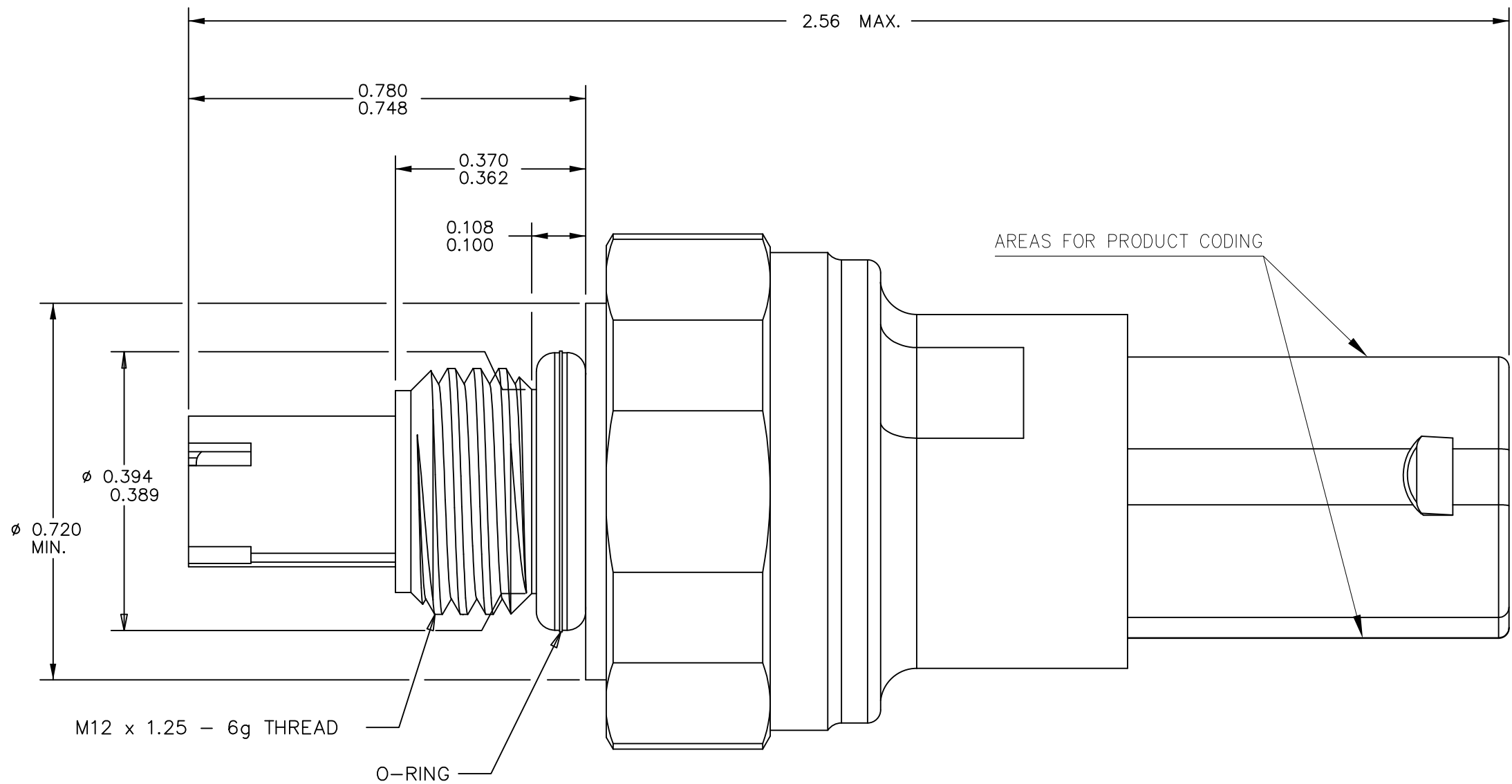
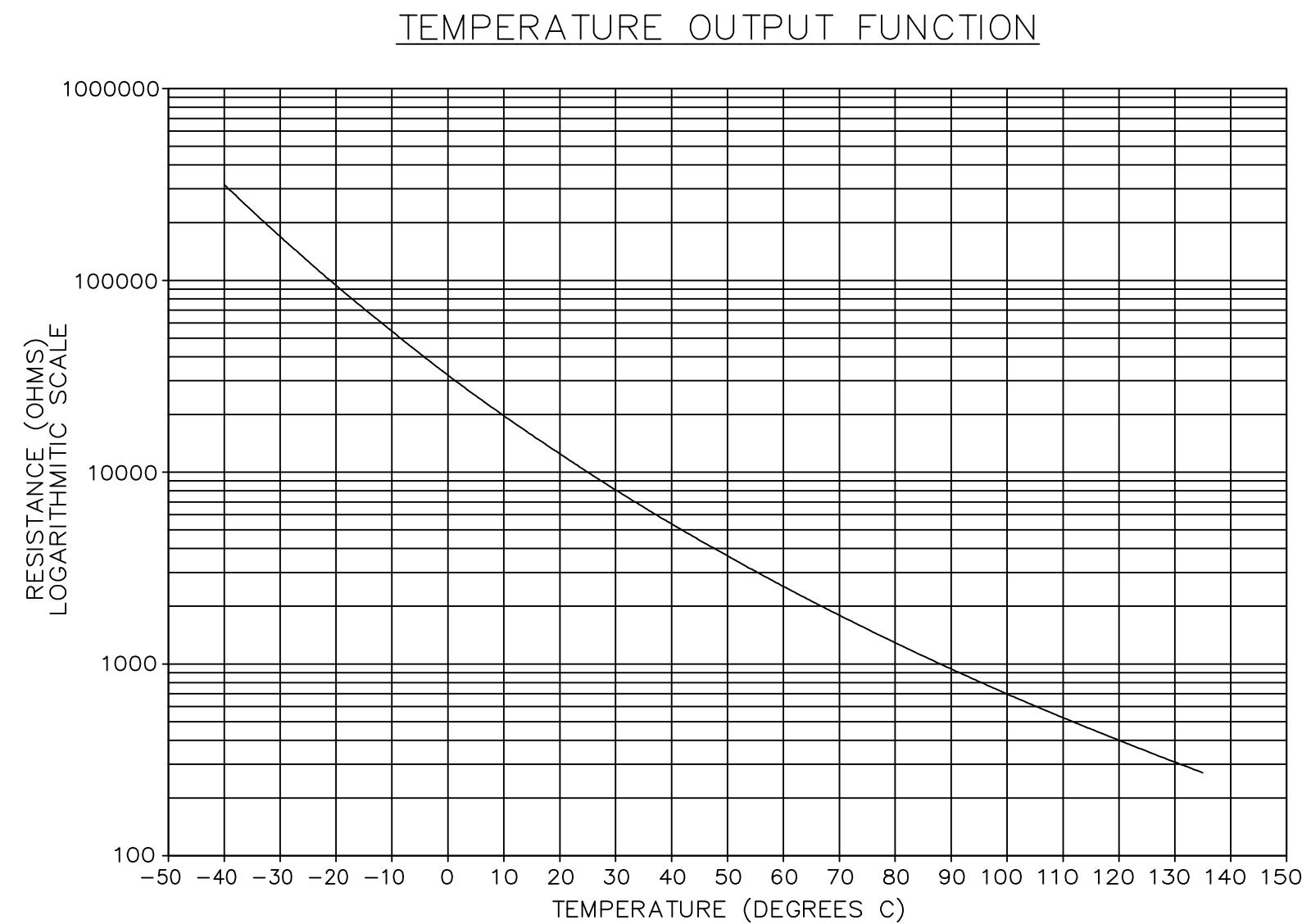
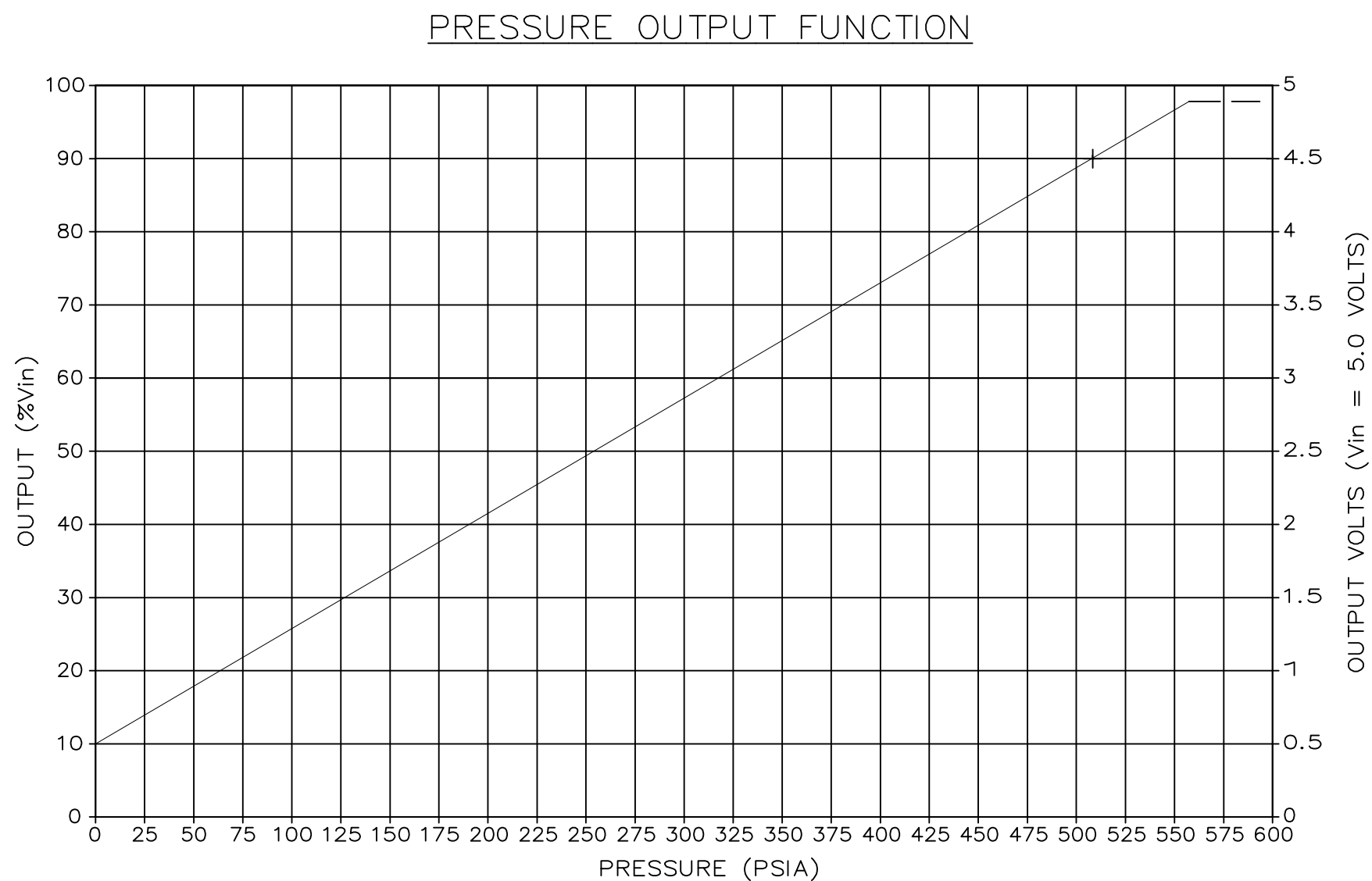




- NOTES:
- 1.) CONNECTOR DESIGNED TO MATE WITH AMP '963645' & MICRO QUADLOCK SYSTEM '967084'.
HOUSING: 1-967640-1 (CODE A)
WIRE SEAL: 967067-1
SOCKET CONTACT: 962885-1
- 2.) SIX SIDED 24.0 MM DRIVER REQUIRED TO TORQUE HEX.
- 3.) TORQUE TO BE APPLIED ONLY TO HEX FLATS 53-70 In-Lb.
- 4.) PART TO BE CODED ACCORDING TO:
SIDE 1:

67R-010179 (LPG HOMOLOGATION Nr.)
CLASS 1 (LPG CLASS) DATE CODE
SENSATA + COUNTRY OF ORIGIN IF OTHER THAN US
112CP3-19

E 4



TEMPERATURE

T [°C]	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]
-40	316181	301183	331179
-30	169149	162304	175994
-20	94143	90938	97349
-10	54308	52781	55836
0	32014	31290	32738
10	19691	19346	20036
20	12474	12315	12633
25	10000	9900	10100
30	8080	7977	8182
40	5372	5282	5462
50	3661	3585	3737
60	2536	2474	2598
70	1794	1744	1844
80	1290	1250	1330
90	941.8	909.6	974.0
100	697.2	671.3	723.1
110	524.9	504.0	545.9
120	399.6	382.6	416.6
130	308.4	294.6	322.3
135	271.3	258.6	283.9

GENERAL

TECHNICAL SPECIFICATIONS

PRESSURE

REQUIREMENT

$\% \text{ Vin} = 0.156863 \times \text{PRESSURE (PSIA)} + 10$

WHERE $\% \text{ Vin} = (\text{Vout}/\text{Vin}) \times 100$

ALGEBRAIC EQUIVALENT
PRESSURE (PSIA) = 637.5 X (Vout/Vin) - 63.751

FOR $V_{in} = 5.0$ ONLY
PRESSURE (PSIA) = $127.5 \times V_{out} - 63.751$

ACCURACY TOLERANCE	-----	TEMPERATURE	TOLERANCE % V _{CC}
		-30 TO 25°C	LINEAR 2.5%-1.5%
		25 TO 135°C	LINEAR 1.5%-2.5%

TEMPERATURE EFFECT ON ACCURACY -- $\pm 0.0035\% V_{in}/^{\circ}\text{C}$ TYPICAL
ADDITIONAL DRIFT OVER LIFE ALLOWED----- $\pm 0.5\% V_{cc}$

ELECTRICAL

POWER SUPPLY VOLTAGE	5.0 $\pm$ 0.1 VDC
SUPPLY CURRENT	15.0 mA MAX.
OUTPUT LOAD	10K Ohm PULL DOWN
OUTPUT VOLTAGE RANGE (PRESSURE)	0.5 TO 4.5V TYPICAL
OUTPUT RESISTANCE RANGE (TEMPERATURE)	316,181 TO 271 OHMS TYPICAL

ENVIRONMENT	
OPERATING TEMPERATURE (PRESSURE)	----- -10 TO 135°C
PRESSURE RANGE	----- 0 TO 510 PSIA
OPERATING TEMPERATURE (PRESSURE)	----- -30 TO -10°C
PRESSURE RANGE	----- 0 TO 170 PSIA

MATERIAL	
HOUSING -----	PLATED STEEL
CONNECTOR -----	POLYPHENYLENE ETHER + POLYAMIDE RESIN (PPE/PA) 30% GLASS COLOR: NATURAL

INTERNAL SEAL -----	MATERIAL: LOW TEMP VITON PN T-605257-002
EXTERNAL SEAL -----	MATERIAL: FLUOROCARBON (FKM) SENSATA P/N T-604731-018
THERMISTOR -----	NTC THERMISTOR

FOR REFERENCE ONLY, CHECK LATEST REVISION BEFORE USE. PARTS MADE TO THIS PRINT MUST CONFORM TO EN9896 REV. E		
DRAWN P.D.	INFORMATION TECHNOLOGIES PROPRIETARY AND CONFIDENTIAL. NEITHER THIS PRINT NOR THE DATA CONTAINED HEREON IS TO BE USED AGAINST THE INTERESTS OF SENSATA TECHNOLOGY OR AGAINST THE INTERESTS OF ANY OF ITS AFFILIATE COMPANIES OR WHOLLY OWNED SUBSIDIARIES.	
DATE 20-MAR-2009 ENGINEER	INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009	
DATE 20-MAR-2009 C.FONTANA	SPECIFIED DIMENSIONS ARE IN INCHES.	
APPROVED P.FRACKELTON	DECIMALS	TOLERANCES ANGLES
DATE 20-MAR-2009 APPROVED K.SULLIVAN	DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION 
DATE 20-MAR-2009		

 **Sensata**
Technologies

529 PLEASANT STREET
P.O. BOX 2964
ATTLEBORO, MA 02703

TITLE
PRESSURE/TEMPERATURE
SENSOR
ENVELOPE DRAWING

SIZE	DWG NO.			R
D	112CP3-19			
SCALE	1:1	AUTOCAD	SHEET 1 OF 1	

DEVICE:	PROJECT:	1
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RECOMMENDED
PORT SIZE FOR
SENSOR



1. PORT ACCORDING ISO 6149-1 EXCEPT DIMENSIONS MARKED WITH A *

