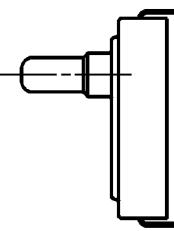
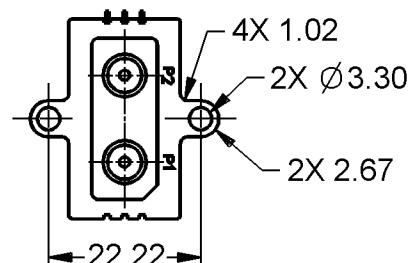


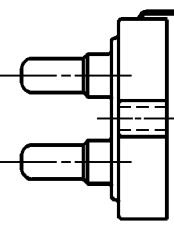
TYPE "D" (DIFFERENTIAL)
MOUNTING TYPE = "T"



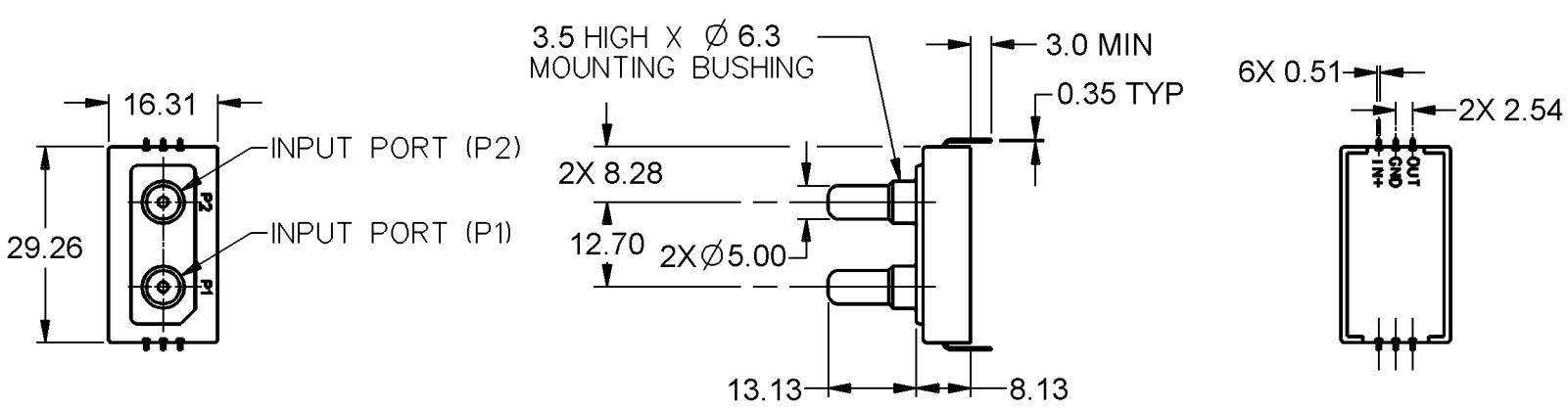
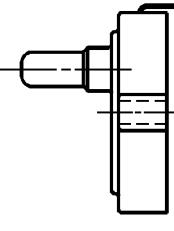
TYPE "G" (GAGE)
MOUNTING TYPE = "T"



TYPE "D" (DIFFERENTIAL)
MOUNTING TYPE = "H"



TYPE "G" (GAGE)
MOUNTING TYPE = "H"



M 180PC05 SERIES CHART 1

CATALOG LISTING	TYPE	OPERATING PRESSURE RANGE
184PC05GX	G	0 TO +5 PSIG
185PC05DX	D	0 TO +5 PSID
186PC05DX	D	-5 TO +5 PSID

MOUNTING TYPE

GENERAL OPERATING CHARACTERISTICS

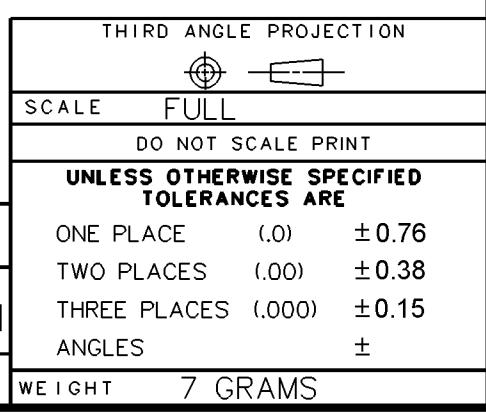
PRESSURE RANGE	0 TO 259mm Hg (0 TO 5 PSI)
OVERPRESSURE	1035mm Hg (20 PSI)
TEMPERATURE RANGES	STORAGE -55 TO +125 °C OPERATE -40 TO +85 °C COMPENSATED 0 TO +50 °C
SUPPLY VOLTAGE	7 TO 16 VDC
SUPPLY CURRENT	6mA MAX WITH 10K LOAD
OUTPUT VOLTAGE	PROPORTIONAL TO SUPPLY VOLTAGE OVER ABOVE RECOMMENDED RANGE
SHORT CIRCUIT LIMIT	MAY BE SHORTED INDEFINITELY
OUTPUT RIPPLE	NONE
GROUND REFERENCE	SUPPLY AND OUTPUT ARE COMMON

ELECTRICAL PERFORMANCE AT 25°C AND 8.00 ± 0.01 VDC SUPPLY

OUTPUT VOLTAGE		
184PC05G		
NULL (0 PSIG)		1.00 \pm 0.05 VDC
FULL SCALE (5 PSIG [259mmHg])		6.00 VDC (TYP) (P2 < P1)
F.S.O. 		5.00 \pm 0.05 VDC (P2 < P1)
185PC05D		
NULL (0 PSIG)		1.00 \pm 0.05 VDC
FULL SCALE (5 PSIG [259mmHg])		6.00 VDC (TYP) (P2 > P1)
F.S.O. 		5.00 \pm 0.05 VDC (P2 > P1)
186PC05D		
NULL (0 PSIG)		3.50 \pm 0.05 VDC
FULL SCALE (5 PSIG)		6.00 VDC (TYP) (P2 > P1)
OUTPUT (5 PSIG)		1.00 \pm 0.20 VDC (P2 < P1)
F.S.O. 		5.00 VDC TYP
SENSITIVITY		19.33mV/mmHg (1.0V/PSI)
LINEARITY (%F.S.O.)  (BFSL)		\pm 1.0 MAX (P2 < P1) \pm 2.0 MAX (P2 > P1)
HYSTERESIS & REPEATABILITY (%F.S.O.) 		\pm 0.25 TYP
TEMPERATURE ERROR (%F.S.O.) 		\pm 2.0 MAX 0°C < 25°C > 50°C
RESPONSE TIME		1mSEC MAX

NOTES

1 INPUT MEDIA :
P1 - DRY GASES ONLY: CONNECTION SIDE OF SENSOR
P2 - LIMITED ONLY TO THOSE MEDIA THAT WILL NOT ATTACK
POLYESTER, SILICON, OR SILICONE BASED ADHESIVE
2 TERMINALS ARE PLATED FOR SOLDERING
3 LIMIT SOLDERING TO 315°C MAX FOR 10 SECONDS
4 UNITS ARE OF PLASTIC CONSTRUCTION
5 F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN THE
OUTPUT END POINTS (NULL AND FULL PRESSURE)
6 FOR MOUNTING TYPE "T" DEVICES EXPOSED TO HIGH
VIBRATION LEVELS, AS AN ADDED PROTECTION MEASURE,
IT IS RECOMMENDED THAT AN ADHESIVE FOAM SECURE
THE TRANSDUCER TO THE SUPPORTING STRUCTURE



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PRESSURE TRANSDUCER

180PC05 SERIES CHART
(8.00VDC SUPPLY EXCITATION)

MASTER REDUCED
ANSI Y14.5M-1982 APPLIES

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