

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

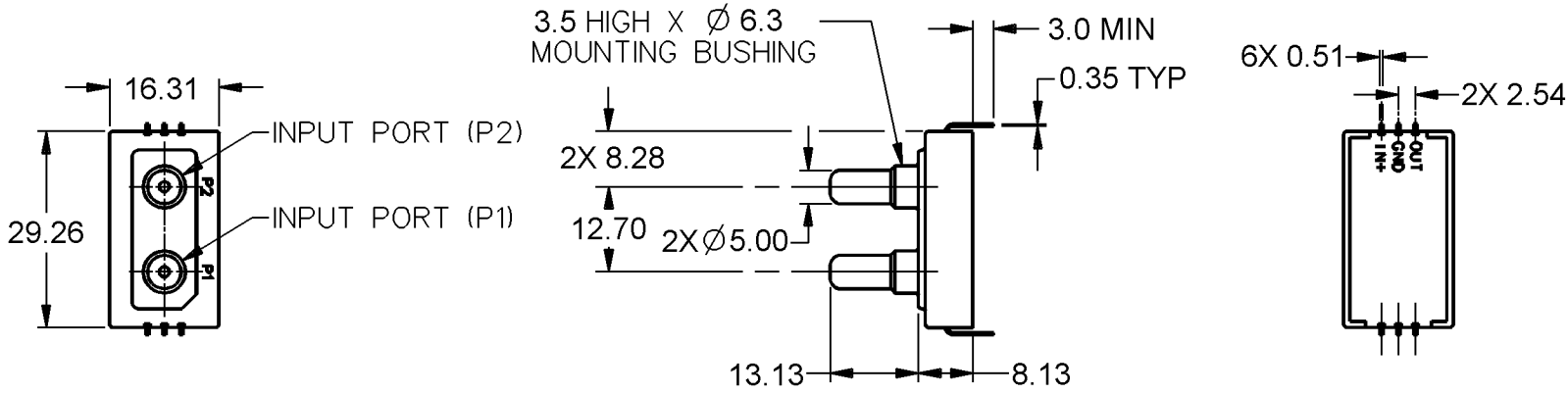
MOUNTING TYPE
T = TERMINAL
H = HOUSING

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

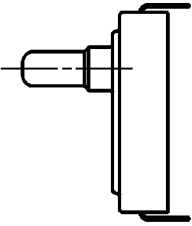
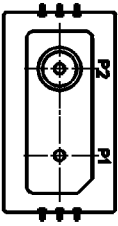
ELECTRICAL PERFORMANCE AT 25°C AND 8.00 ± 0.01 VDC SUPPLY	
OUTPUT VOLTAGE	
184PC05G NULL (0 PSIG)	1.00±0.05 VDC
FULL SCALE (5 PSIG [259mmHg])	6.00 VDC (TYP) (P2<P1)
F.S.O. $\frac{\Delta}{5}$	5.00±0.05 VDC (P2<P1)
185PC05D NULL (0 PSIG)	1.00±0.05 VDC
FULL SCALE (5 PSIG [259mmHg])	6.00 VDC (TYP) (P2>P1)
F.S.O. $\frac{\Delta}{5}$	5.00±0.05 VDC (P2>P1)
186PC05D NULL (0 PSIG)	3.50±0.05 VDC
FULL SCALE (5 PSIG)	6.00 VDC (TYP) (P2>P1)
OUTPUT (5 PSIG)	1.00±0.20 VDC (P2<P1)
F.S.O. $\frac{\Delta}{5}$	5.00 VDC TYP
SENSITIVITY	19.33mV/rmHg (1.0V/PSI)
LINEARITY (%F.S.O.) $\frac{\Delta}{5}$ (BFSL)	±1.0 MAX (P2<P1) ±2.0 MAX (P2>P1)
HYSTERESIS & REPEATABILITY (%F.S.O.) $\frac{\Delta}{5}$	±0.25 TYP
TEMPERATURE ERROR (%F.S.O.) $\frac{\Delta}{5}$ 0°C < 25°C > 50°C	±2.0 MAX
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

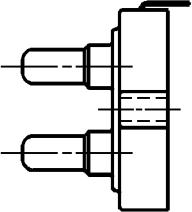
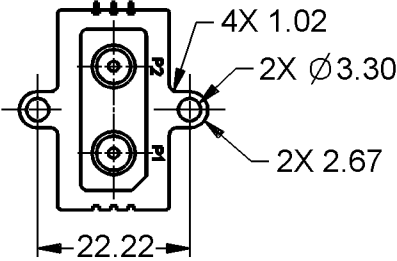
THIRD ANGLE PROJECTION	
SCALE	FULL
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE (.0)	±0.76
TWO PLACES (.00)	±0.38
THREE PLACES (.000)	±0.15
ANGLES	±
WEIGHT	7 GRAMS



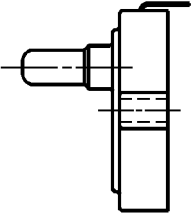
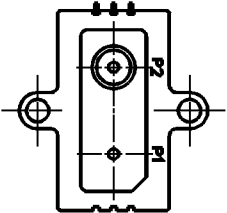
TYPE "D" (DIFFERENTIAL)
MOUNTING TYPE = "T"



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



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



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

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MICRO SWITCH a Honeywell Division	PRESSURE TRANSDUCER
CATALOG LISTING	180PC05 SERIES CHART 1
FED. MFG. CODE 91929	(8.00VDC SUPPLY EXCITATION)

M180PC05 SERIES CHART 1	
RELEASE NO. PR-16806	REPLACES
DRAWING NUMBER	
ISSUE	5
REVISIONS	
A	PR17210
B	W J M
C	18 APR 89
D	CO65871
E	W J M
F	13 JUN 89
G	CO70150
H	J A F
I	1 SEP 93
J	0064547
K	NR
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