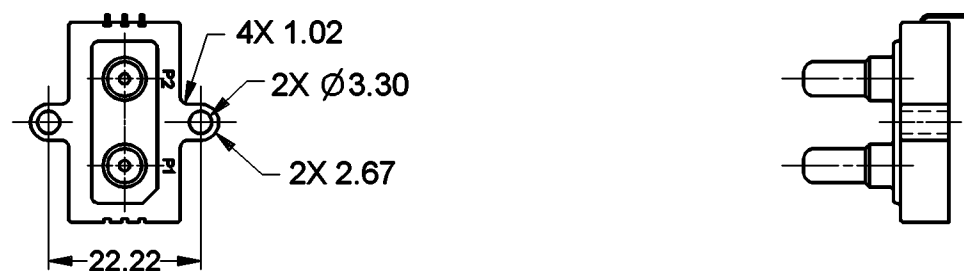
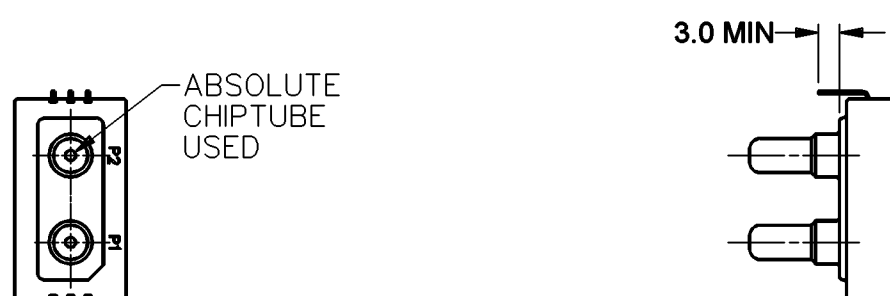


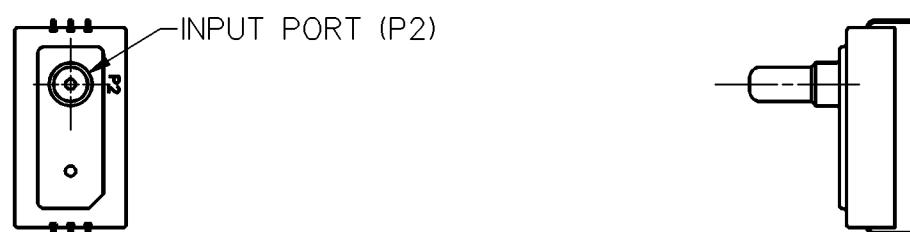
TYPE "D" (DIFFERENTIAL)
MOUNTING TYPE = "T"



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



TYPE "A" (ABSOLUTE)
MOUNTING TYPE = "P"



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

CATALOG LISTING	TYPE	OPERATING PRESSURE RANGE
185PC30AX	A	0 TO 30 PSIA
185PC30DX	D	0 TO 30 PSID
185PC30GX	G	0 TO 30 PSIG

MOUNTING TYPE
T = TERMINAL
P = PORT
H = HOUSING

GENERAL OPERATING CHARACTERISTICS

PRESSURE RANGE	0 TO 1550mm Hg (0 TO 30 PSI)
OVERPRESSURE	3100mm Hg (60 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 ± .01 VDC SUPPLY

OUTPUT VOLTAGE	
185PC30D OR 185PC30G	
NULL (0 PSIG)	1.000 ± .050 VDC
FULL SCALE (30 PSIG)	6.000 VDC TYP P2 > P1
SPAN	5.000 ± .050 VDC
SENSITIVITY	166.7 mV/PSI TYP
LINEARITY (B.F.S.L.)	.75% SPAN P1 > P2 1.50% SPAN P2 > P1
HYSTERESIS & REPEATABILITY	.15% SPAN
TEMPERATURE ERROR	
0°C TO +50°C	2.00% SPAN MAX
185PC30A	
NULL (0 PSIA)	1.000 VDC TYP
REFERENCE (2 PSIA)	1.333 ± .050 VDC
FULL SCALE (30 PSIA)	6.000 VDC TYP P1 > P2
SPAN (2 TO 30 PSIA)	4.667 ± .100 VDC
SENSITIVITY	166.7 mV/PSI TYP
LINEARITY (B.F.S.L.)	.80% SPAN
HYSTERESIS & REPEATABILITY	.16% SPAN
TEMPERATURE ERROR	
0°C TO +50°C	2.14% SPAN MAX

NOTES

- 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
- TERMINALS ARE PLATED FOR SOLDERING
- LIMIT SOLDERING TO 315°C MAX FOR 10 SECONDS
- UNITS ARE OF PLASTIC CONSTRUCTION
- 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

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MICRO SWITCH a Honeywell Division	PRESSURE TRANSDUCER
CATALOG LISTING	180PC30 SERIES CHART 1
(8.00VDC SUPPLY EXCITATION)	

MASTER REDUCED
ANSI Y14.5M-1982 APPLIES

DRAWING NUMBER 180PC30 SERIES CHART 1
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ISSUE 6
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