

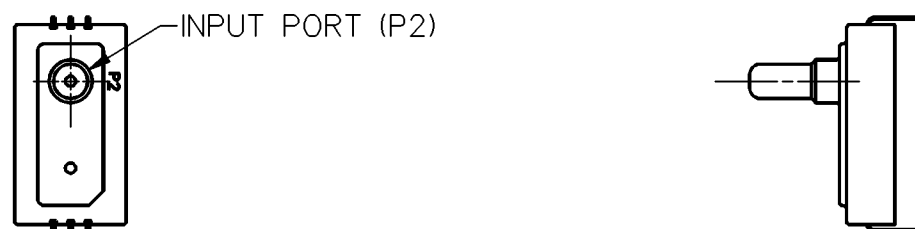
TYPE "D" (DIFFERENTIAL)  
MOUNTING TYPE = "T"



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

- 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 - 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
FED. MFG. CODE 91929	180PC30 SERIES CHART 1 (8.00VDC SUPPLY EXCITATION)

MASTER REDUCED  
ANSI Y14.5M-1982 APPLIES

DRAWING NUMBER 180PC30 SERIES  
PAGE 1 OF 1 CHART 1  
ISSUE 6  
RELEASE NO. PR-16806 REPLACES

REVISIONS	CHECK	DATE
A C065871		13 JUN 89
B C070150		1 SEP 93
C C077436		16 MAY 94
D PR20202		19 MAY 10
E 0064547		19 MAY 10
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DDM/CAD  
TMM 17NOV88  
JAS 15NOV88  
JAS 15NOV88