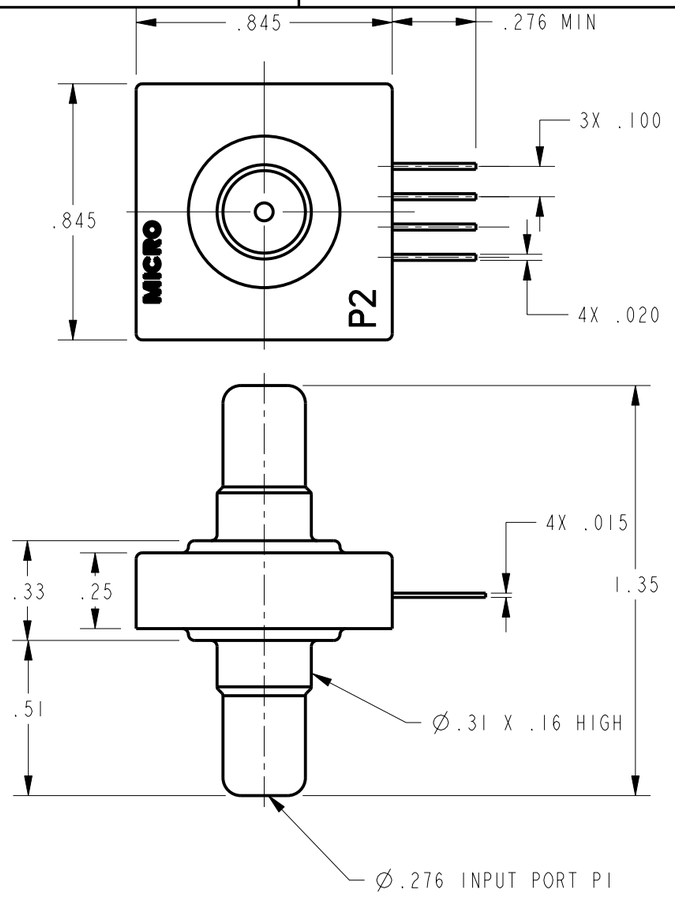
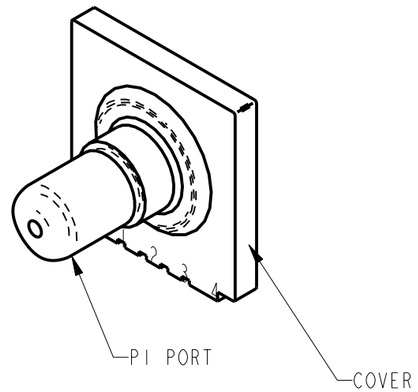
MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

BRIDGE PRESSURE SENSOR

CATALOG LISTING

176PC07HD33



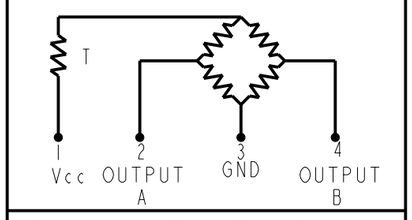


GENERAL OPERATING CHARACTERISTICS
(ELECTRICAL PERFORMANCE AT 10.0±0.01 VDC EXCITATION, 25°C

PARAMETERS	PRESSURE RANGES (H_2O)	MIN	TYP	MAX	UNITS
NULL OFFSET	ALL	-2	0	+2	MV
NULL SHIFT △5 0° ← 25° C → 50°	ALL	-1.2		+1.2	MV
P2 > PI F.S.O. △3 (FULL SCALE OUTPUT)	0 TO 07 D & G	26	28	30	MV
P2 > PI SENSITIVITY PER IN. H_2O	0 TO 07 D		1.5		MV
F.S.O. SHIFT △5 0° ← 25° C → 50° AT 10 VDC	ALL			±3.5	%F.S.O.
AT 2mA	ALL		NONE		%F.S.O.
P2 > PI	0 TO 07 D			±3.0	%F.S.O.
PI > P2	0 TO 07 D			±1.5	%F.S.O.
LINEARITY (BFSL)					
REPEATABILITY & HYSTERESIS	ALL		±0.25		%F.S.O.
STABILITY OVER 1 YEAR	ALL		±1.5		%F.S.O.
EXCITATION VOLTAGE	ALL		10	16	VDC
INPUT RESISTANCE	ALL		6.3K		OHMS
(P2 > PI) (PI > P2) OVERPRESSURE	0 TO 07			140	IN. H_2O
TEMPERATURE STORAGE OPERATE COMPENSATED	ALL				

NOTES
1 - TERMINALS ARE PLATED FOR SOLDERING
2 - LIMIT SOLDERING TO 315°C MAX FOR 10 SECONDS MAX
△3 F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN END POINTS (OUTPUT AND MINIMUM AND MAXIMUM PRESSURE
4 - INPUT MEDIA: PI - DRY GASES ONLY: CONNECTION SIDE OF SENSOR
P2 - LIMITED ONLY TO THOSE MEDIA THAT WILL NOT ATTACK POLYESTER, SILICON OR SILICONE BASED ADHESIVE
△5 TEMPERATURE ERROR IS CALCULATED WITH RESPECT TO 25°C AND EXPRESSES THE DEVIATION THAT COULD OCCUR AS TEMPERATURE IS RAISED OR LOWERED TO LIMITS INDICATED

CIRCUIT DIAGRAM



OUTPUT "A" INCREASES AS P2 PRESSURE INCREASES
OUTPUY "B" DECREASES AS P2 PRESSURE INCREASES

THIRD ANGLE PROJECTION
SCALE 2 : 1
DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.0)	±.030
TWO PLACE	(.00)	±.015
THREE PLACE	(.000)	±.005
ANGLES		±

WEIGHT 2 OZ

ANSI Y14.5M-1982 APPLIES

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REVISIONS
A 205984 D L T 17 JUL 02

	REPLACES -	RELEASE NO. PR-22764	CHECK	17 JUL 02	SAV	CHECK	17 JUL 02	CHECK
PTC/CAD 2D	DRAWN	D L T	17 JUL 02					