



METRIC	INCHES
1.5	.06
3.52	.139
5.00	.197
6.1	.240
7.1	.280
10.0	.39
12.3	.484
12.6	.496
16.2	.64
17.9	.70
18.5	.73
30.0	1.18
52.40	2.063
59.8	2.35
300.0±25.0	11.8±1.0

GENERAL OPERATING CHARACTERISTICS

PRESSURE RANGE	0 TO 51.7mm Hg (0 TO 1 PSI)
OVERPRESSURE	20 PSID
TEMPERATURE RANGES	STORAGE -55 TO +125°C OPERATE 5°C TO 55°C COMPENSATED 5°C TO 45°C
SUPPLY VOLTAGE	7 TO 16 VDC
SUPPLY CURRENT	20mA MAX WITH 10K LOAD
SHORT CIRCUIT LIMIT	MAY BE SHORTED INDEFINITELY
OUTPUT RIPPLE	NONE
GROUND REFERENCE	SUPPLY AND OUTPUT ARE COMMON
COMMON MODE PRESSURE	125 PSIG MAX
MECHANICAL SHOCK	MIL-STD-202 METHOD 213 TEST CONDITION A
VIBRATION SINE SWEEP	MIL-STD-202 METHOD 204

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

OUTPUT VOLTAGE	
NULL (0 PSI)	1.00±0.05 VDC
FULL SCALE (1 PSI [51.7mm Hg])	6.00±0.10 VDC (P2 > P1)
F.S.O. Δ	5.00±0.05 VDC (P2 > P1)
SENSITIVITY	96.7mV/mm Hg (5.0 V/PSI)
LINEARITY (%F.S.O.) Δ (BFSL)	±0.75 MAX (P2 < P1) ±1.50 MAX (P2 > P1)
HYSTERESIS & REPEATABILITY (%F.S.O.) Δ	±0.3 TYP
TEMPERATURE ERROR (%F.S.O.) Δ 5°C < 25°C > 45°C	±1.5% MAX
RESPONSE TIME	1m SEC MAX TYP

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 MAX
- 4 - UNITS ARE OF PLASTIC CONSTRUCTION
- 5 - F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT END POINTS (NULL AND FULL PRESSURE)
- 6 - STRIPPED & TINNED LEAD ENDS TO BE 5.0 MAX
- 7 - MAXIMUM DIFFERENTIAL PRESSURE ALLOWABLE IS 20 PSI BETWEEN P1 AND P2
- 8 - NO CHANGES TO MATERIALS WITHOUT PRIOR COMMON MODE PRESSURE TESTING AT OPERATING TEMPERATURE
- 9 - WEIGHT: 31 GRAMS
- 10 - RELEASE NO: PR-I7830

DESIGN UNITS: MM/INCH
TOLERANCES UNLESS NOTED:NO PLACES X ± 1/04
ONE PLACE .X ± 0.4/.016
TWO PLACES .XX ± 0.15/.006
THREE PLACES .XXX ± -
ANGLES X ± -DRAWN JAS 08MAY90
CHECK - -THIS DRAWING COVERS A PROPRIETARY ITEM
AND IS THE PROPERTY OF HONEYWELL. THIS
DRAWING IS NOT TO BE COPIED OR USED
WITHOUT THE PERMISSION OF HONEYWELL.TITLE PRESSURE TRANSDUCER
(SQA7607)INTERPRET PER ASME Y14.5M-1994
OTHER HONEYWELL ENGINEERING
STANDARDS MAY APPLYSIZE TYPE CAGE CODE DRAWING NAME
A21 - 142PC01DW69

REV C

THIRD ANGLE PROJECTION

RASTER

SCALE NONE

SHEET 1 OF 1

Honeywell