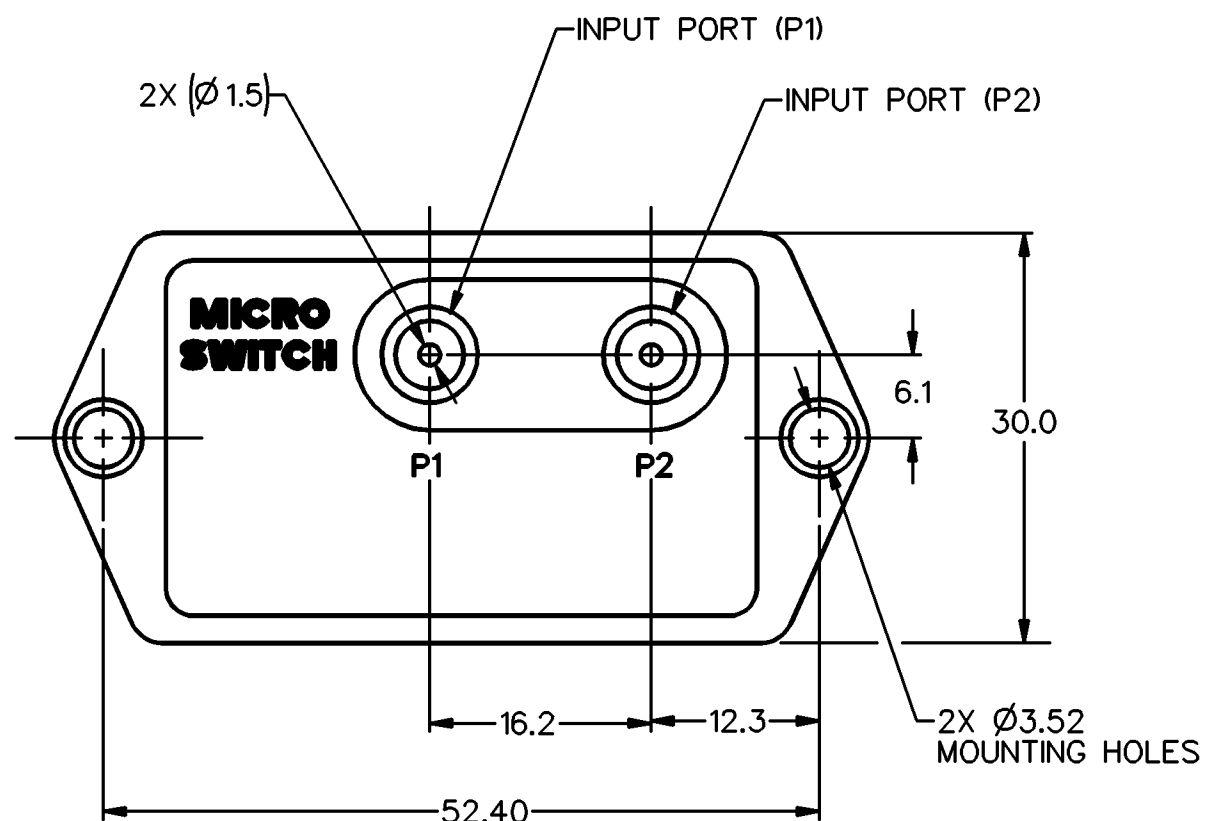



REV	DOCUMENT	CHANGED BY	CHECK
C	0072603	BM 21DEC10	DSK



PRESSURE RANGE	0 TO 51.7mm Hg (0 TO 1 PSI)
OVERPRESSURE	7 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

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. $\sqrt{5}$	5.00±0.05 VDC (P2 > P1)
SENSITIVITY	96.7mV/mm Hg (5.0 V/PSI)
LINEARITY (%F.S.O.) $\sqrt{5}$ (BFSL)	±0.75 MAX (P2 < P1) ±1.50 MAX (P2 > P1)
HYSTERESIS & REPEATABILITY (%F.S.O.) $\sqrt{5}$	±0.3 TYP
TEMPERATURE ERROR (%F.S.O.) $\sqrt{5}$ 5°C < 25°C > 45°C	±1.5% MAX
RESPONSE TIME	1m SEC MAX TYP

- 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 OUT-
PUT 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-17830

DESIGN UNITS: MM/INCH			
TOLERANCES UNLESS NOTED:			
NO PLACES	X	±	1/.04
ONE PLACE	.X	±	0.4/.016
TWO PLACE	.XX	±	0.15/.008
THREE PLACE	.XXX	±	-
ANGLES	X	±	-
THIRD ANGLE PROJECTION			
			

DRAWN	JAS	08MAY90
CHECK	-	-
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INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY		
RASTER		

Honeywell				
TITLE PRESSURE TRANSDUCER (SQA7607)				
SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
A2	I	—	142PC01DW69	C
SCALE NONE			SHEET 1 OF 1	