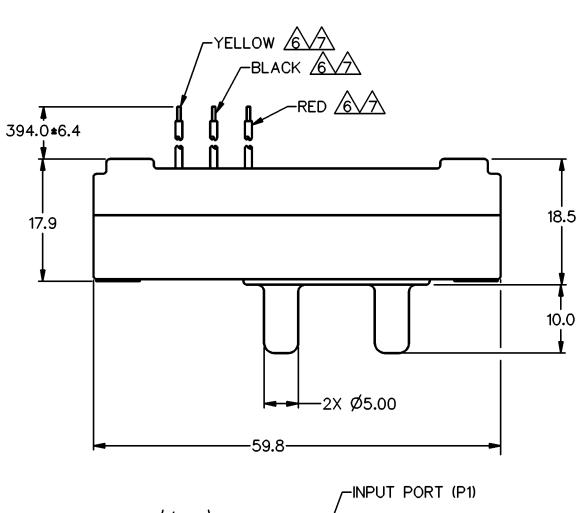
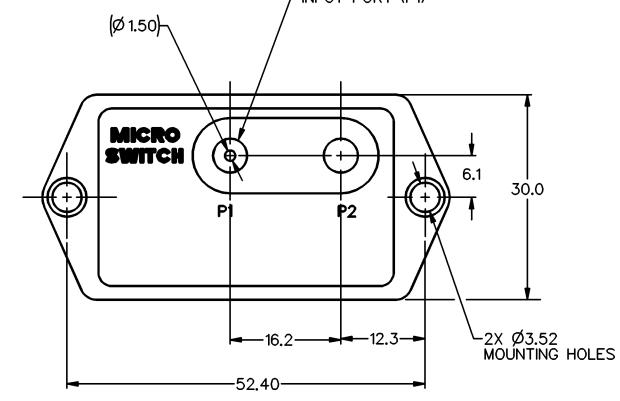
GNS T T T 12.6





GENERAL OPERATING CHARACTERISTICS

PRESSURE RANGE	0 TO 825mmHg
OVERPRESSURE	2585mmHg (45 PSI)
TEMPERATURE RANGE	−55°C TO +125°C
SUPPLY VOLTAGE	8 TO 20 VDC
SUPPLY CURRENT	20mA 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±0.01 VDC SUPPLY

OUTPUT VOLTAGE	
NULL (O PSIA)	1.000 VDC (TYPICAL)
FULL SCALE (15 PSIA {775mmHg})	6.000 VDC (TYPICAL)
REFERENCE (2 PSIA {103mmHg})	1.627VDC ± .050
SPAN (2 PSIA TO 15.953 PSIA)	4.373±.150 VDC
SENSITIVITY	6.45 mv/mmHg
	(333.3 mv/PSI)
LINEARITY (%F.S.O.) \(\sigma \)	.4% SPAN P1 > P2
HYSTERESIS & REPEATABILITY (%F.S.O.) 5	±0.15 TYPICAL
TEMPERATURE ERROR (%F.S.O.) 5	
COMP TEMP RANGE	+15°C TO +35°C
	ERROR OF .5% SPAN
RESPONSE TIME	1m SEC MAX

NOTES

1 - INPUT MEDIA:
P1 - DRY GASES ONLY: CONNECTION SIDE OF SENSOR

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)

STRIPPED & TINNED LEAD ENDS TO BE 5,00 MAX

LEAD LENGTHS TO MATCH WITHIN 6,4

METRIC 1.50 3.52 INCHES .060 .139 5.00 6.1 7.1 10.0 .39 .70 .73 THIRD ANGLE PROJECTION
 30.0
 1.18

 52.40
 2.063

 59.8
 2.35

 394.0 * 6.4
 15.50 * .25
 SCALE 2:1 DO NOT SCALE PRINT UNLESS OTHERWISE SPECIFIED TOLERANCES ARE NO PLACE

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH. A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.

MASTER REDUCED a Honeywell Division

ANSI Y14.5M-1982 APPLIES

FED. MFB. COST.

PRESSURE TRANSDUCER

CATALOG LISTING 142PC15AW95

(0) $\pm 1 \,\mathrm{mm}$ ONE PLACE (0.0) ± 0.4 mm TWO PLACE (0.00) ± 0.15 mm **ANGLES** WEIGHT 31 GRAMS

142PC15AW95