

GENERAL OPERATING CHARACTERISTICS

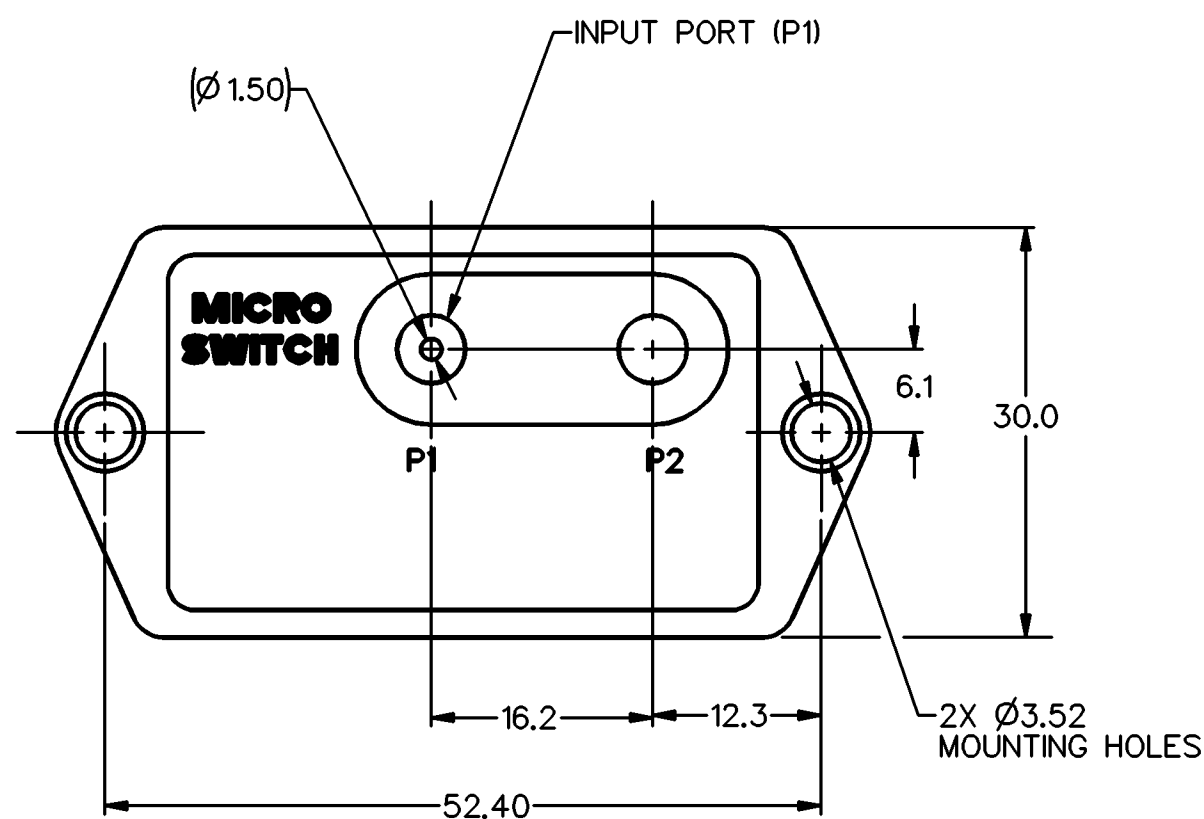
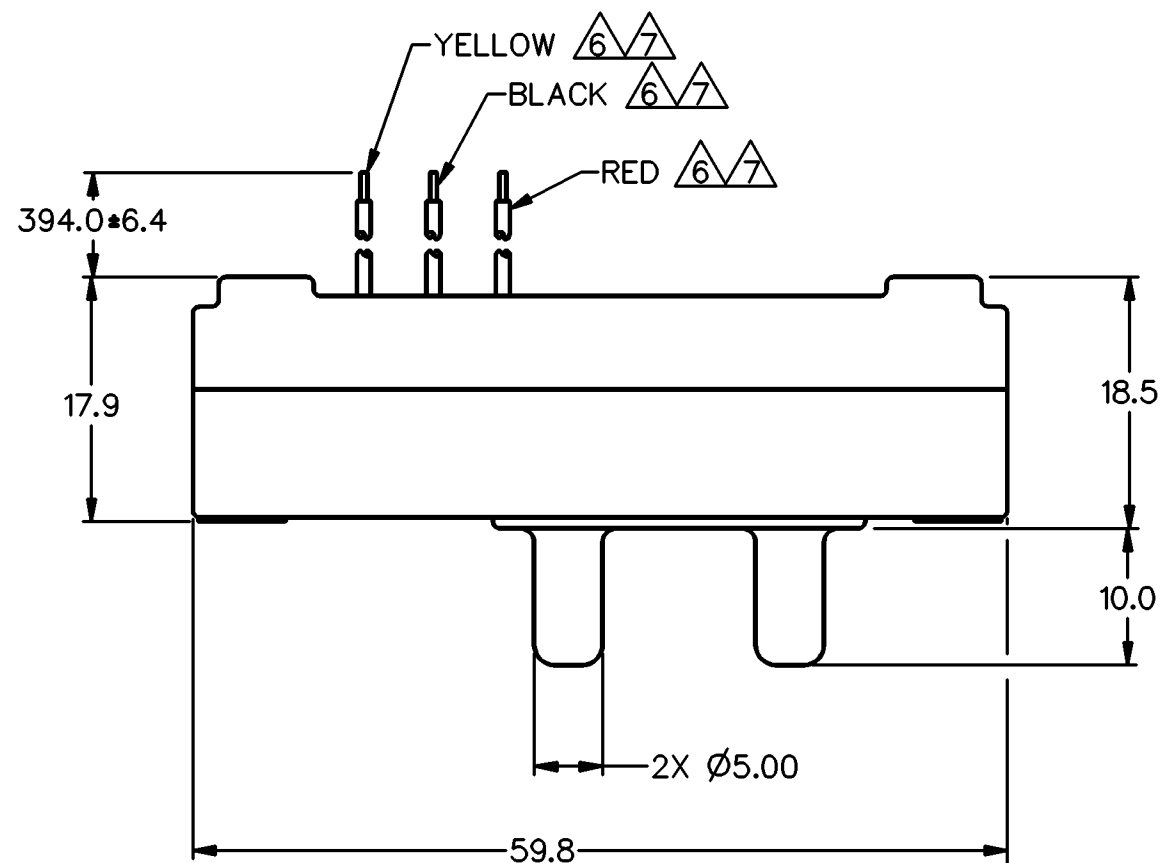
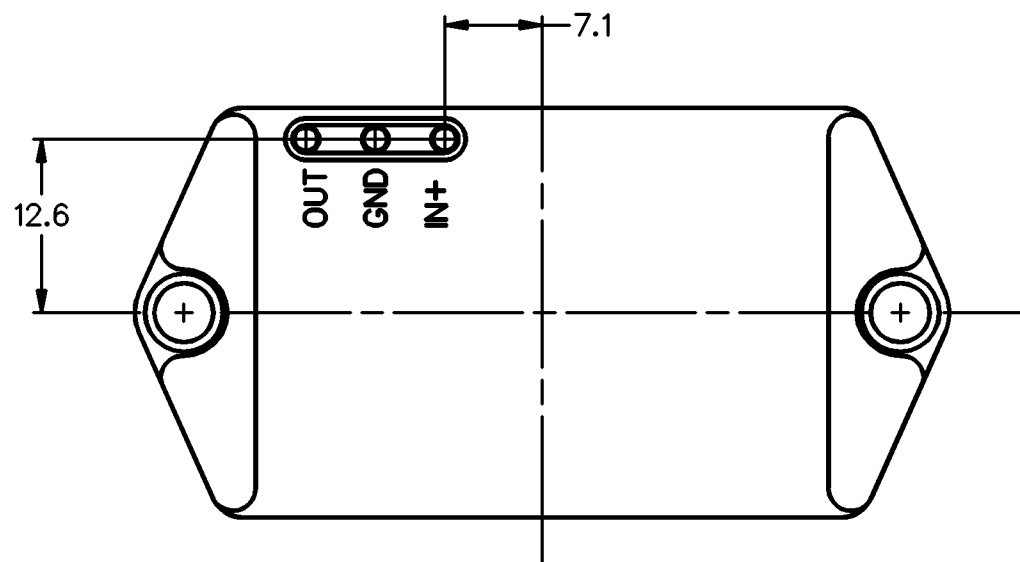
PRESSURE RANGE	0 TO 825mmHg
OVERPRESSURE	2585mmHg (45 PSI)
TEMPERATURE RANGE	-55°C TO +125°C
SUPPLY VOLTAGE	8 TO 20 VDC
SUPPLY CURRENT	20mA MAX WITH 10K LOAD
OUTPUT VOLTAGE	PROPORTIONAL TO SUPPLY VOLTAGE OVER ABOVE RECOMMENDED RANGE
SHORT CIRCUIT LIMIT	MAY BE SHORTED INDEFINITELY
OUTPUT RIPPLE	NONE
GROUND REFERENCE	SUPPLY AND OUTPUT ARE COMMON

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

OUTPUT VOLTAGE	
NULL (0 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.) Δ 5	.4% SPAN P1 > P2
HYSTERESIS & REPEATABILITY (%F.S.O.) Δ 5	±0.15 TYPICAL
TEMPERATURE ERROR (%F.S.O.) Δ 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 Δ F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT END POINTS (NULL AND FULL PRESSURE)
- 6 STRIPPED & TINNED LEAD ENDS TO BE 5.00 MAX
- 7 LEAD LENGTHS TO MATCH WITHIN 6.4



METRIC	INCHES
1.50	.060
3.52	.139
5.00	.197
6.1	.24
7.1	.28
10.0	.39
12.3	.48
12.6	.50
16.2	.64
17.9	.70
18.5	.73
30.0	1.18
52.40	2.063
59.8	2.35
394.0±6.4	15.50±.25

THIRD ANGLE PROJECTION

SCALE 2 : 1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE

NO PLACE	(0)	± 1 mm
ONE PLACE	(0.0)	± 0.4 mm
TWO PLACE	(0.00)	± 0.15 mm
ANGLES		±

WEIGHT 31 GRAMS

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PRESSURE TRANSDUCER

142PC15AW95

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