

GENERAL OPERATING CHARACTERISTICS

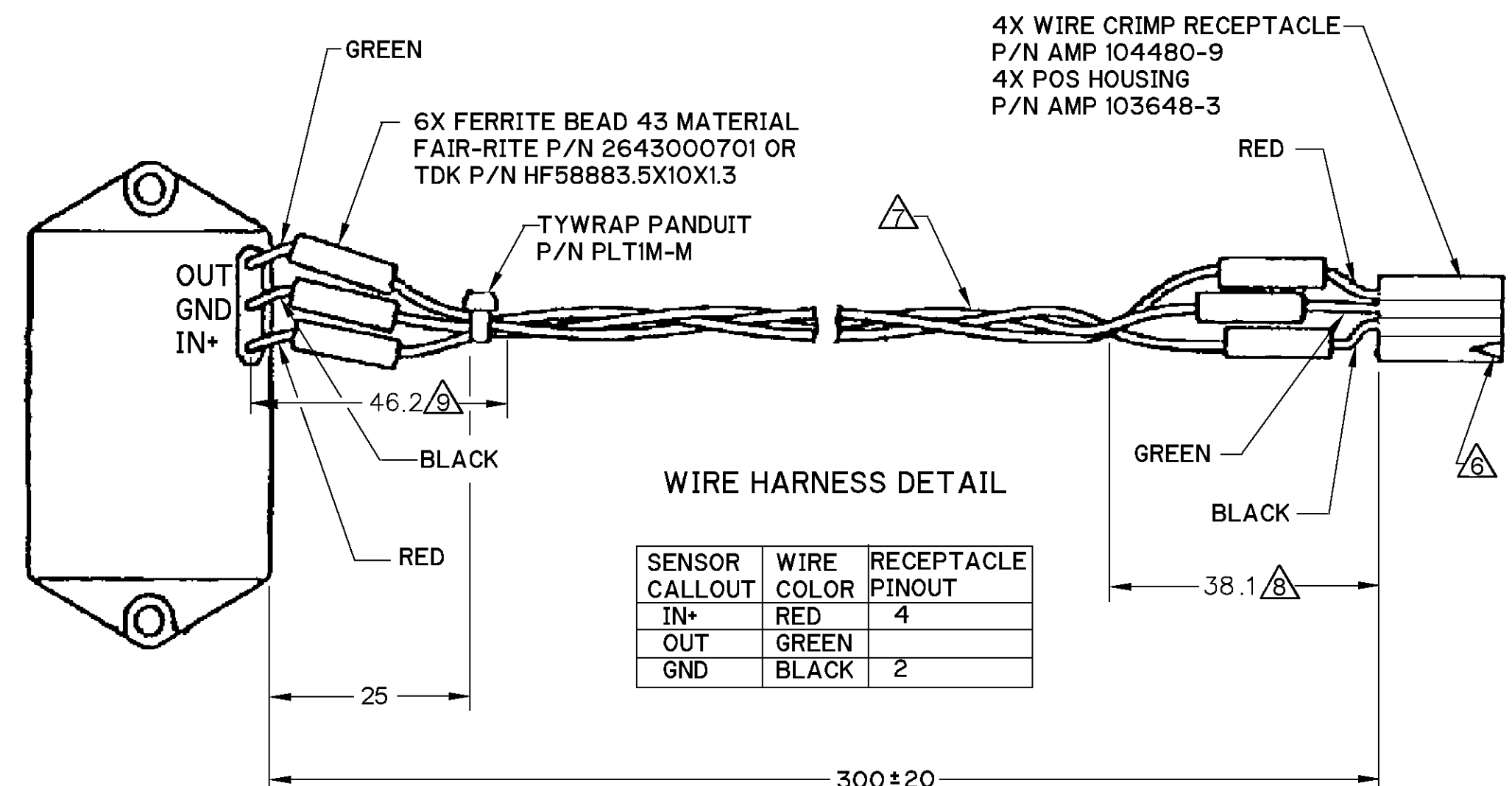
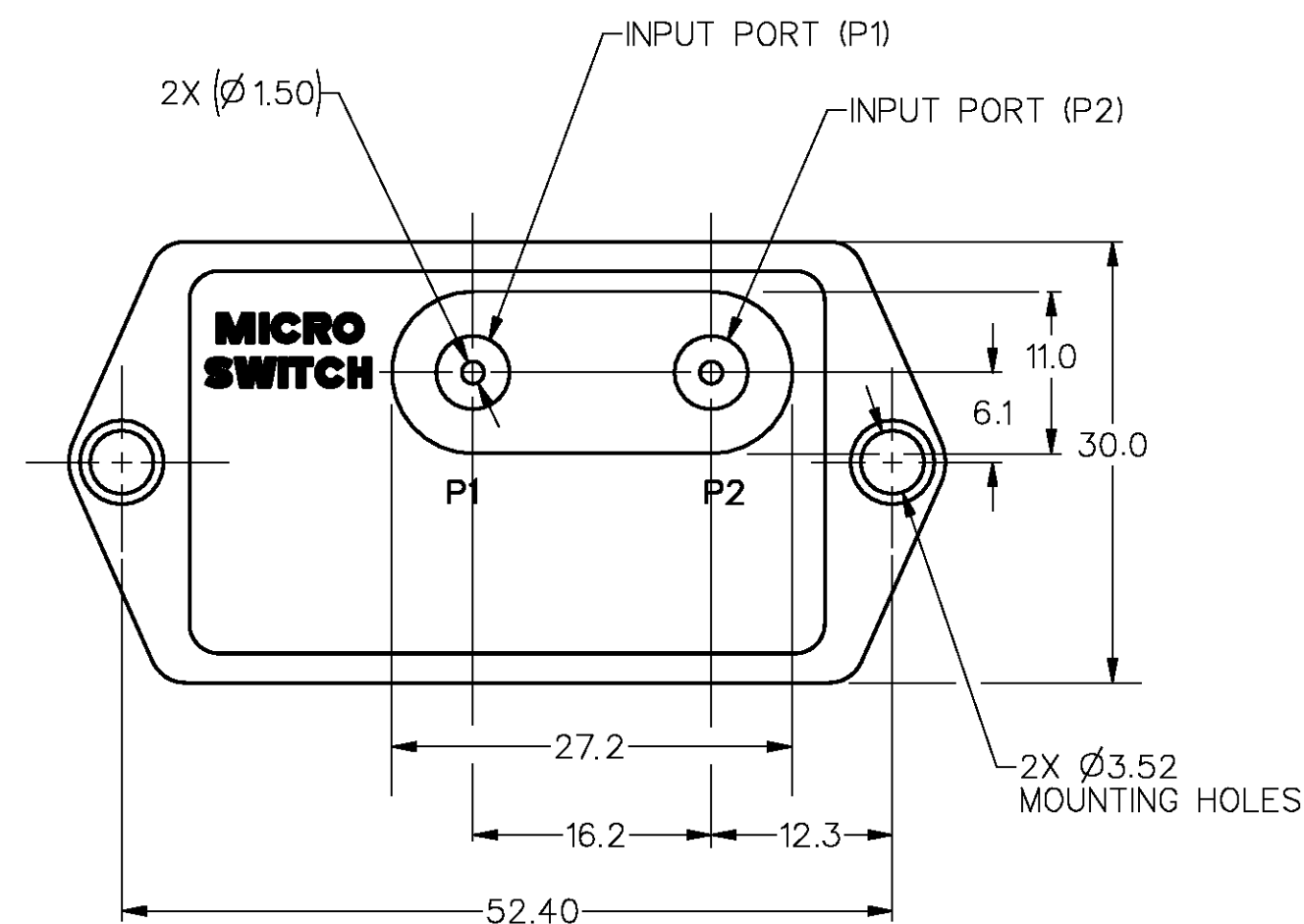
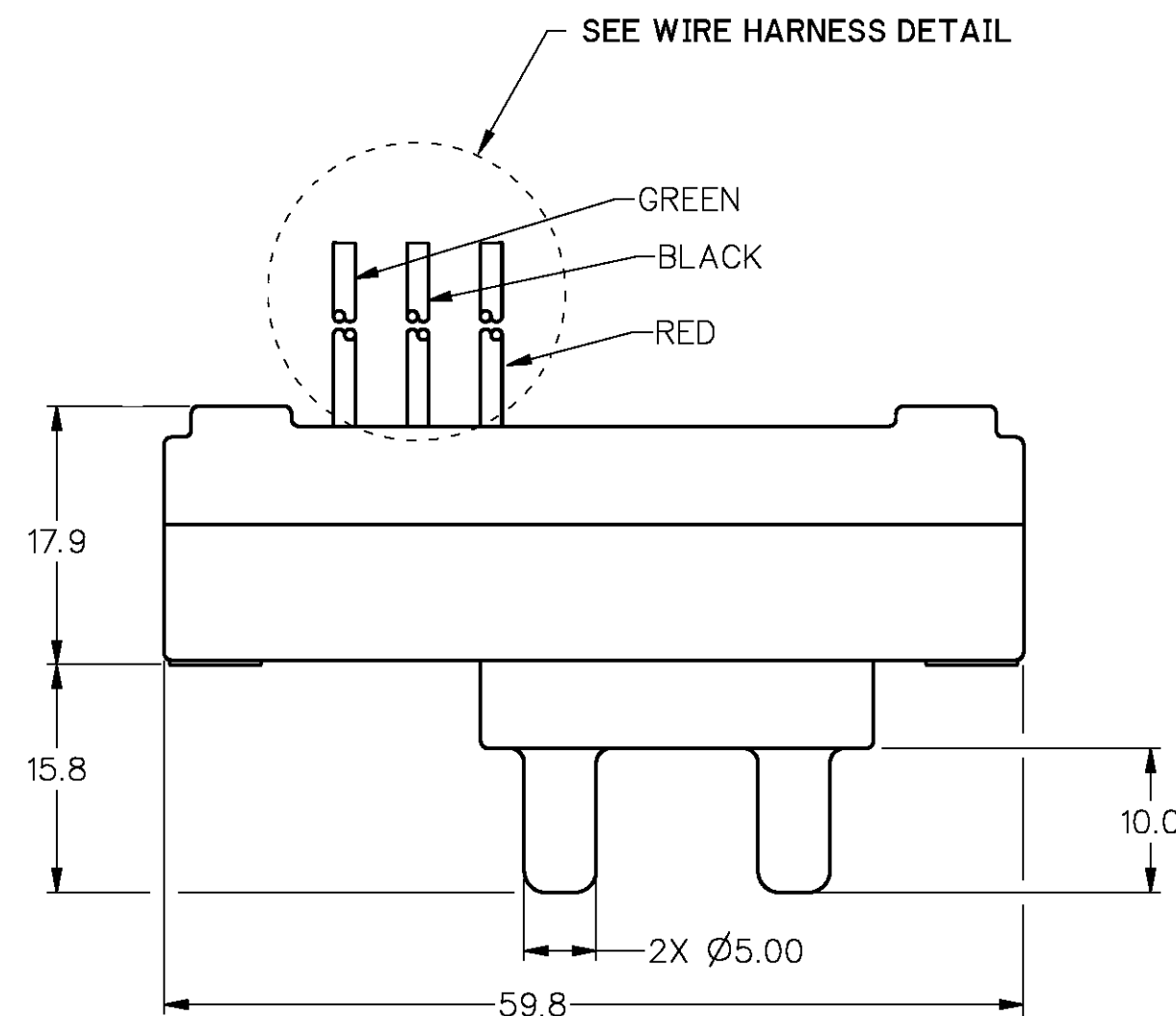
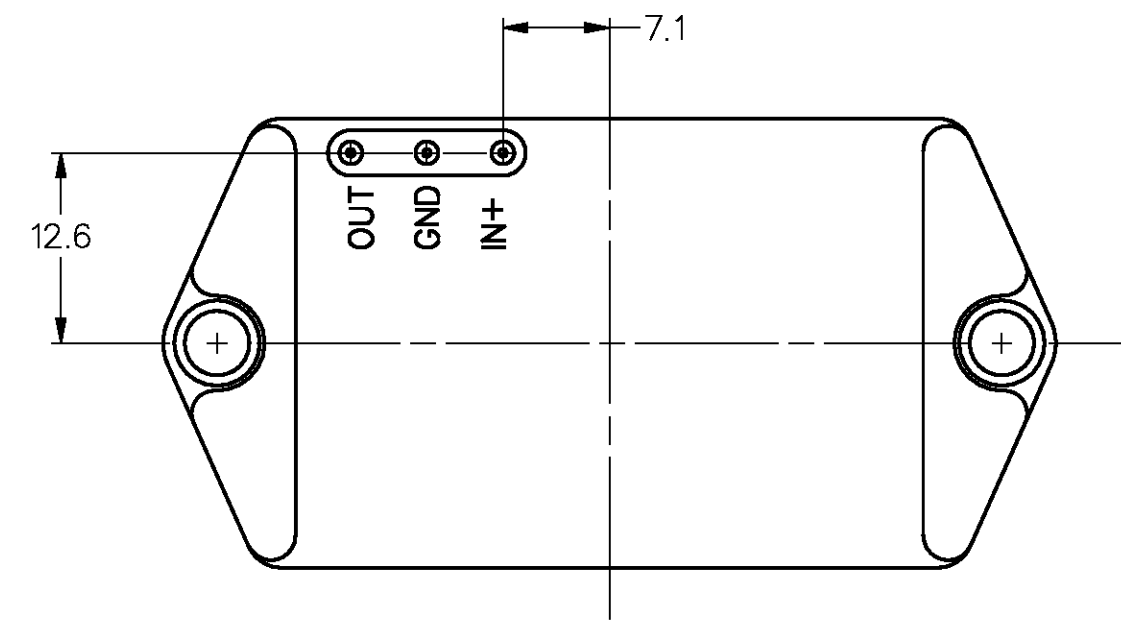
PRESSURE RANGE	-20 TO +120 CM H ₂ O (-.28 TO 1.70 PSI)
OVERPRESSURE	350 CM H ₂ O (5 PSI)
TEMPERATURE RANGE	+15°C TO +45°C
SUPPLY VOLTAGE	10 VDC
SUPPLY CURRENT	20 mA MAX WITH 10K LOAD
SHORT CIRCUIT LIMIT	MAY BE SHORTENED INDEFINITELY
OUTPUT RIPPLE	NONE
GROUND REFERENCE	SUPPLY AND OUTPUT ARE COMMON

ELECTRICAL PERFORMANCE AT 25°C AND 10.00±0.01 VDC SUPPLY

OUTPUT VOLTAGE	
NULL (0 CM H ₂ O)	1.714±.150 VDC
FULL SCALE (AT 47 IN. H ₂ O) (P2>P1)	5.969±.150 VDC
NEG. FULL SCALE (-20 CM H ₂ O) (P2<P1)	1.00 VDC TYPICAL
SENSITIVITY (P2>P1)	.036 VDC/CM H ₂ O
LINEARITY %SPAN $\frac{5}{\Delta}$ (BFSL)	±1.5 (P2 < P1) MAX
HYSTERESIS & REPEATABILITY %SPAN $\frac{5}{\Delta}$	±0.15 TYPICAL
TEMPERATURE ERROR $\frac{5}{\Delta}$ %SPAN	
ZERO SHIFT	±0.75
SPAN SHIFT	±1.00
RESPONSE TIME	1 mSEC MAX

M 163PC01DW98

METRIC	INCHES
1.50	.060
3.52	.139
5.00	.197
6.1	.24
7.1	.28
10.0	.39
11.0	.43
12.3	.48
12.6	.496
15.8	.51
16.2	.64
17.9	.70
20	.79
25	1.0
27.2	1.07
30.0	1.18
38.1	1.5
46.2	3.0
52.40	2.063
59.8	2.35
300	11.8



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 - SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN THE
OUTPUT AT NULL AND THE OUTPUT AT FULL PRESSURE
- 6 - ARROW DENOTES PIN ONE
- 7 - TWIST WIRES ONE TURN PER INCH, MINIMUM
- 8 - 1.5" OR LESS OF UNTWISTED WIRE IS ALLOWED
- 9 - 3" OR LESS OF UNTWISTED WIRE IS ALLOWED

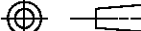
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LOW PRESSURE TRANSDUCER

CATALOG LISTING
163PC01DW98

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	