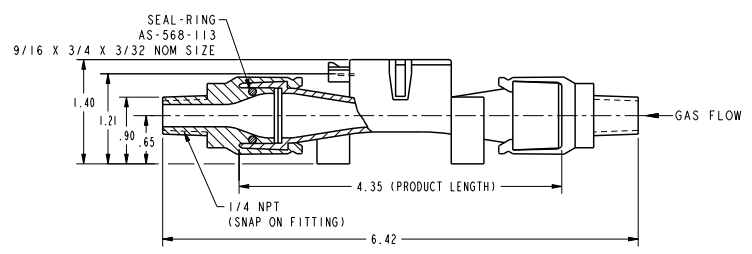
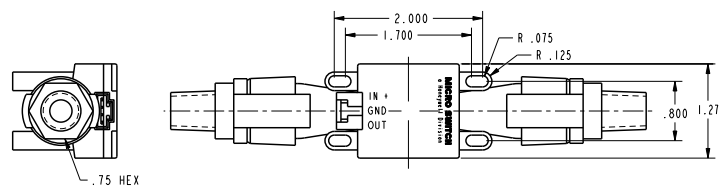


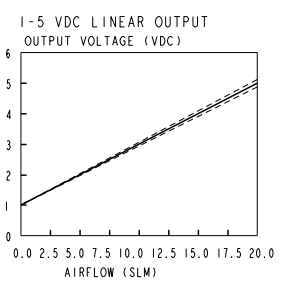
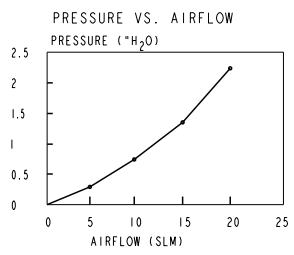
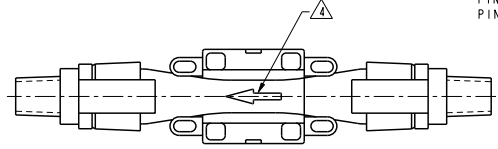
**AWM5104VN**



RECOMMENDED POWER SUPPLY	10.00 ± .01 VDC
MINIMUM POWER SUPPLY	8.0 VDC
MAXIMUM POWER SUPPLY	15 VDC
POWER CONSUMPTION	100mW MAX
OUTPUT TYPE	LINEAR, 1 TO 5 VDC
CALIBRATION GAS	NITROGEN
GAS FLOW RANGE *	0-20 SLM *
OUTPUT @ LASER TRIM POINT	5 VDC @ FULL SCALE FLOW
DIFFERENTIAL PRESSURE @ FULL SCALE	SEE PRESSURE VS. AIRFLOW CHART
NULL OUTPUT	1.00 ± .05 VDC
NULL OUTPUT SHIFT, 0 TO +50°C	± .050 VDC TYP, ± .100 VDC MAX
FULL SCALE OUTPUT SHIFT, 0 TO +25°C/+25 TO 50°C	4% / 5% READING MAX
LINEARITY ERROR	± 3.0% READING
REPEATABILITY & HYSTERESIS	± 0.5% READING MAX.
RESPONSE TIME	60.0 mSEC MAX
STORAGE TEMPERATURE RANGE	-20° TO 70°C
OPERATION TEMPERATURE RANGE	0° TO 50°C
TERMINATION (.100 CENTERS)	.025 SQUARE
CONNECTOR (4 PIN RECEPTACLE)	AMP (103956-3)
WEIGHT	30 GRAMS (2.12OZ)
SHOCK RATING	100 g PEAK, 6 mSEC HALF-SINE (3 DROPS EACH DIRECTION OF 3 AXES)
OVERPRESSURE	50 PSI MAX
LEAK RATE, MAX	0.1 PSI/MIN AT STATIC CONDITION

- NOTES
- 1. CANNOT GUARANTEE CALIBRATION AT SUPPLY VOLTAGES OTHER THAN 10.00 ± .01 VDC
  - 2. LINEARITY SPECIFICATION APPLIES FROM 2 TO 100% FULL SCALE OF GAS FLOW RANGE, AND DOES NOT APPLY TO NULL OUTPUT AT 0 SLM \*
  - 3. SUPPLIED IN STRIP FORM. OTHER STRIP FORM RECEPTACLES ARE AVAILABLE, AS WELL AS VARIOUS TOOLS TO ASSEMBLE RECEPTACLES IN STRIP FORM. INDIVIDUAL RECEPTACLE ASSEMBLIES ARE ALSO AVAILABLE FROM AMP
  - 4. MOLDED-IN ARROW DESIGNATES GAS FLOW DIRECTION
  - \* SLM DENOTES STANDARD LITERS PER MINUTE WHICH IS A FLOW MEASUREMENT REFERENCED TO STANDARD CONDITIONS OF 0°C, 760 TORR (SEA LEVEL), 50% RH
  - 5. TEMPERATURE TRANSITIONS 1.66°C/MINUTE MAXIMUM WHILE IN OPERATION

OUTPUT CONNECTIONS  
 PIN 1 + SUPPLY VOLTAGE  
 PIN 2 GROUND  
 PIN 3 NO CONNECTION  
 PIN 4 OUTPUT VOLTAGE



± 3% READING  
 — MEAN  
 - - - - MIN  
 - · - · MAX

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<b>MICRO SWITCH</b> a Honeywell Division	<b>MASS AIRFLOW SENSOR</b>	<b>AWM5104VN</b>
ANSI Y14.5M-1982 APPLIES	FED. MFG. CODE 91229	

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.01)	± .030
TWO PLACES	(.001)	± .015
THREE PLACES	(.0001)	± .005
ANGLES		±

WEIGHT

AWM5104VN  
 REV. 1 OF 1  
 6  
 15 JAN 08  
 13 MAR 01  
 13 MAR 01