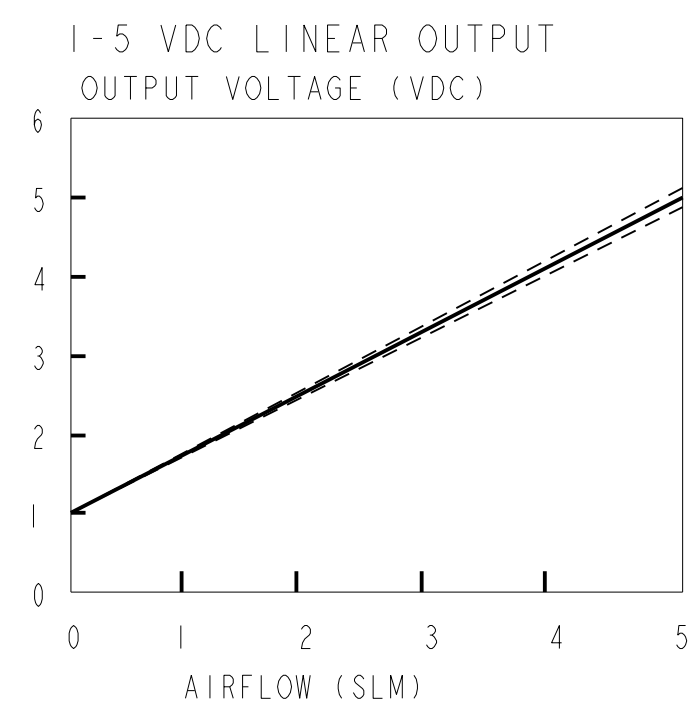
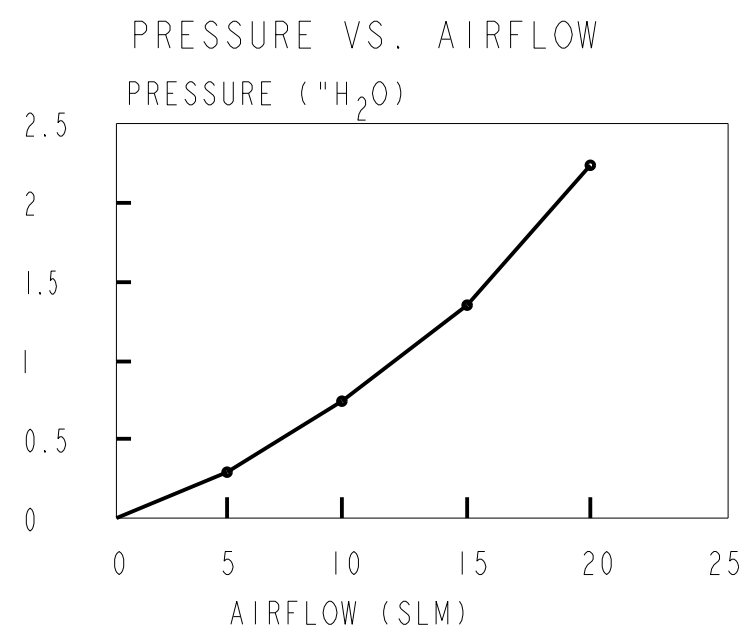


OUTPUT CONNECTIONS
 PIN 1 + SUPPLY VOLTAGE
 PIN 2 GROUND
 PIN 3 NO CONNECTION
 PIN 4 OUTPUT VOLTAGE

SPECIFICATIONS	
RECOMMENDED POWER SUPPLY $\Delta 1$	10.00 \pm .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 *	0-5 SLM *
OUTPUT @ LASER TRIM POINT	5 VDC @ FULL SCALE FLOW
DIFFERENTIAL PRESSURE @ FULL SCALE	SEE PRESSURE VS. AIRFLOW CHART
NULL OUTPUT	1.00 \pm .05 VDC
NULL OUTPUT SHIFT, 0 TO +50°C	\pm .050 VDC TYP, \pm .100 VDC MAX
FULL SCALE OUTPUT SHIFT, 0 TO +25°C, +25 TO 50°C	7% READING MAX
LINEARITY ERROR $\Delta 2$	\pm 3.0% READING
REPEATABILITY & HYSTERESIS	\pm 0.5% F.S.O.
RESPONSE TIME	60.0 mSEC MAX
STORAGE TEMPERATURE RANGE	-20° TO 70°C
OPERATION TEMPERATURE RANGE $\Delta 5$	0° TO 50°C
TERMINATION (.100 CENTERS)	.025 SQUARE
CONNECTOR (4 PIN RECEPTACLE) $\Delta 3$	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
- $\Delta 1$ CANNOT GUARANTEE CALIBRATION AT SUPPLY VOLTAGES OTHER THAN 10.00 \pm .01 VDC
 - $\Delta 2$ LINEARITY SPECIFICATION APPLIES FROM 2 TO 100% FULL SCALE OF GAS FLOW RANGE, AND DOES NOT APPLY TO NULL OUTPUT AT 0 SLM *
 - $\Delta 3$ 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
 - $\Delta 4$ 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
 - $\Delta 5$ TEMPERATURE TRANSITIONS 1.66°C/MINUTE MAXIMUM WHILE IN OPERATION



\pm 3% READING
 ——— MEAN
 - - - MIN
 - - - MAX

THIRD ANGLE PROJECTION		
SCALE FULL		
DO NOT SCALE PRINT		
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE		
ONE PLACE	(.0)	\pm .030
TWO PLACES	(.00)	\pm .015
THREE PLACES	(.000)	\pm .005
ANGLES		\pm
WEIGHT		

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.

 MICRO SWITCH a Honeywell Division	MASS AIRFLOW SENSOR	CATALOG LISTING AWM5101VN
--	----------------------------	-------------------------------------

ANSI Y14.5M-1982 APPLIES

P.T.C./CAD [20] DRAWN G J W 07 MAR 01 CHECK SAV 07 MAR 01 CHECK CMH 16 JAN 08
 REVISIONS
 A 202464 07 MAR 01
 B 0027347 28 DEC 06
 C 0036560 16 JAN 08
 DRAWING NUMBER 6
 AWM5101VN
 RELEASE NO. PR-20105
 REPLACES X94835-AW