

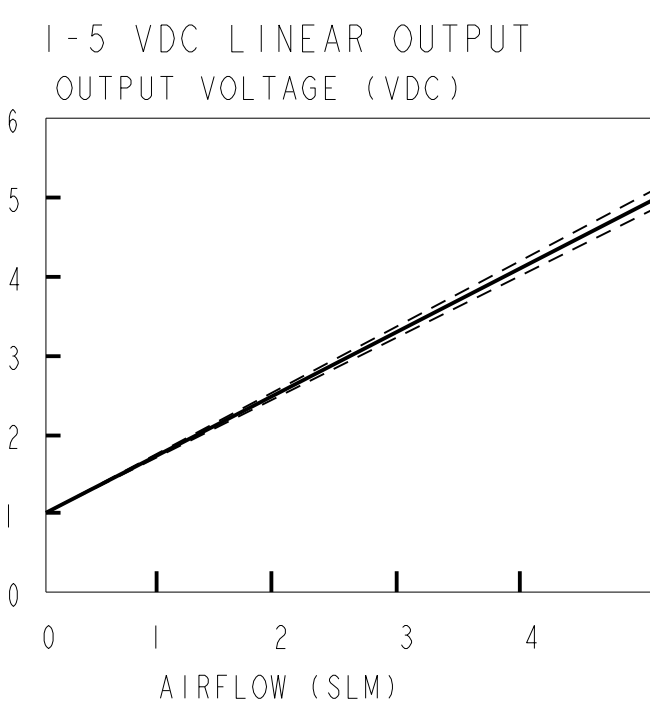
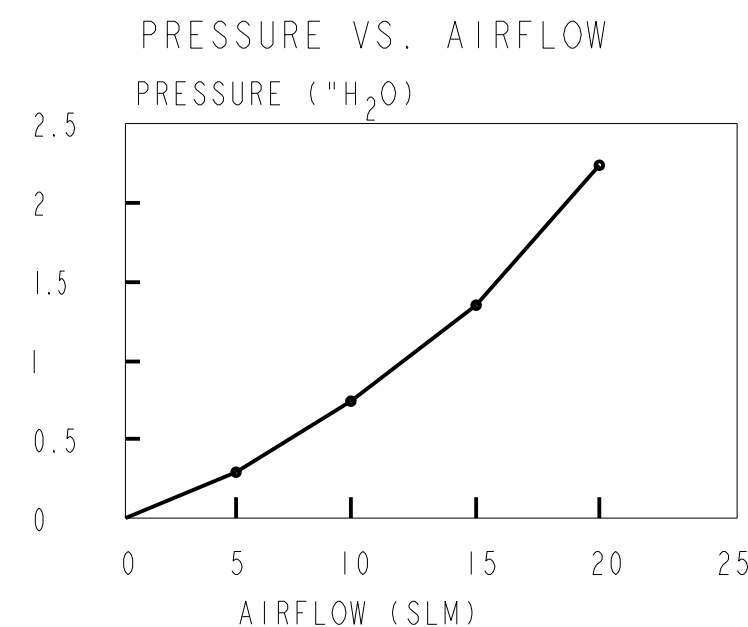
OUTPUT CONNECTIONS  
 PIN 1 + SUPPLY VOLTAGE  
 PIN 2 GROUND  
 PIN 3 NO CONNECTION  
 PIN 4 OUTPUT VOLTAGE

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		

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MASS AIRFLOW SENSOR

AWM5101VN

ANSI Y14.5M-1982 APPLIES

FED. MFG. CODE 91929

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