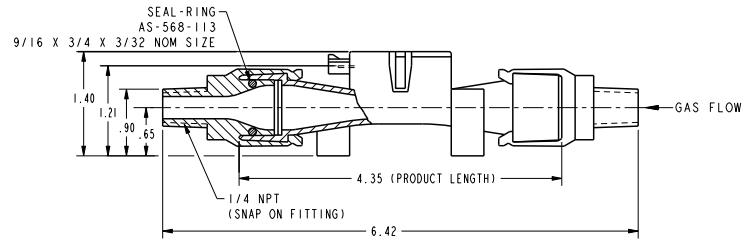
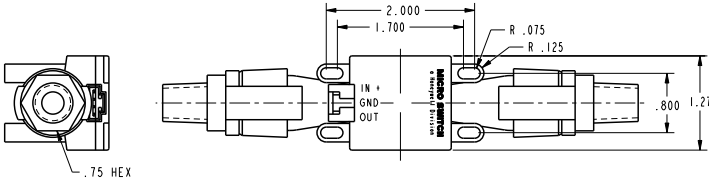




AWM5103VC

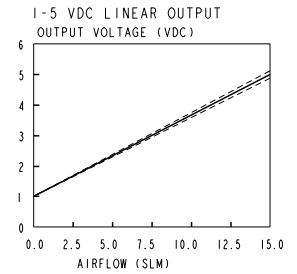
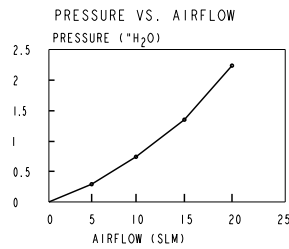
SPECIFICATIONS

RECOMMENDED POWER SUPPLY $\nabla$	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	CARBON DIOXIDE
GAS FLOW RANGE *	0-15 SLM *
OUTPUT $\emptyset$ LASER TRIM POINT	5 VDC $\emptyset$ FULL SCALE FLOW
DIFFERENTIAL PRESSURE $\emptyset$ 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	+10.0% READING MAX
LINEARITY ERROR $\nabla$	$\pm$ 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 $\nabla$	0° TO 50°C
TERMINATION (100 CENTERS)	.025 SQUARE
CONNECTOR (4 PIN RECEPTACLE) $\nabla$	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

- $\nabla$  CANNOT GUARANTEE CALIBRATION AT SUPPLY VOLTAGES OTHER THAN 10.00  $\pm$  .01 VDC
- $\nabla$  LINEARITY SPECIFICATION APPLIES FROM 2 TO 100% FULL SCALE OF GAS FLOW RANGE, AND DOES NOT APPLY TO NULL OUTPUT AT 0 SLM \*
- $\nabla$  SUPPLIED IN STRIP FORM. OTHER STRIP FORM RECEPTABLES ARE AVAILABLE, AS WELL AS VARIOUS TOOLS TO ASSEMBLE RECEPTABLES IN STRIP FORM. INDIVIDUAL RECEPTABLE ASSEMBLIES ARE ALSO AVAILABLE FROM AMP
- $\nabla$  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
- $\nabla$  TEMPERATURE TRANSITIONS 1.66°C/MINUTE MAXIMUM WHILE IN OPERATION

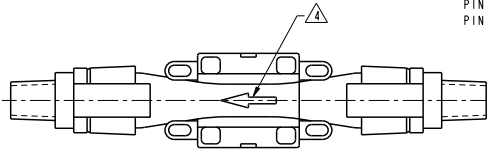


$\pm$ 0 : 3% READING

— MEAN  
 - - - - MIN  
 - - - - MAX

OUTPUT CONNECTIONS

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



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MICROSWICH a Honeywell Division

MASS AIRFLOW SENSOR

CATALOG LISTING  
AWM5103VC

THIRD ANGLE PROJECTION		
SCALE FULL		
DO NOT SCALE PRINT		
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE		
ONE PLACE	(.01)	$\pm$ .030
TWO PLACES	(.001)	$\pm$ .015
THREE PLACES	(.0001)	$\pm$ .005
ANGLES		$\pm$
WEIGHT		

ANSI Y14.5M-1982 APPLIES

FED. MFG. CODE 91229

AWM5103VC  
 REV 1 OF 1  
 6  
 15 JAN 08  
 12 MAR 01  
 12 MAR 01  
 12 MAR 01