



SPECIFICATIONS	AWM1300V
RECOMMENDED EXCITATION (8VDC MIN) $\nabla 2$	10.000 $\pm$.010VDC (15.000 VDC MAX)
POWER CONSUMPTION	40mW MAX
OUTPUT VOLTAGE TRIM POINT	50mV @ 650 sccm
NULL VOLTAGE	0.0 $\pm$ 1.5mV
NULL VOLTAGE SHIFT (-25°C TO +85°C)	$\pm$ 1.5mV MAX
OUTPUT VOLTAGE SHIFT (+25°C TO -25°C) $\nabla 4$ (+25°C TO +85°C) $\nabla 4$	$\pm$ 4% F.S.O. MAX $\pm$ 4% F.S.O. MAX
REPEATABILITY & HYSTERESIS $\nabla 3$	$\pm$ 1.0% F.S.O. MAX
RESPONSE TIME $\nabla 1$	3.0 msec MAX
OPERATING TEMPERATURE RANGE	-25°C TO +85°C
STORAGE TEMPERATURE RANGE	-40°C TO +90°C
TERMINATION	.025 SQ. IN.
WEIGHT	10.8 GRAMS
SHOCK RATING	100 G PEAK
OVERPRESSURE	25 PSI MAX
SENSOR RESISTANCE	5 K-OHMS TYP
SENSOR CURRENT (PIN 2-PIN 1, PIN 6-PIN 1)	0.6 mA MAX

AWM1300V FLOW SPECIFICATIONS		
FLOW (sccm)	NOMINAL (mV)	TOL. (±mV)
1000	57.0	7.0
800	53.0	6.0
650	50.0	5.0
400	40.0	6.0
200	27.0	5.0
0	0.0	1.5
-200	-28.9	15.0
-400	-41.2	26.0
-650	-48.2	29.5

- NOTES
- 1 RESPONSE TIME IS TYPICALLY 1 msec FROM 10%–90%
 - 2 OUTPUT VOLTAGE IS RATIO METRIC TO SUPPLY VOLTAGE
 - 3 REPEATABILITY & HYSTERESIS TOLERANCES REFLECT INHERENT INACCURACIES OF THE MEASUREMENT EQUIPMENT
 - 4 TEMPERATURE SHIFTS IN THE MASS FLOW DEVICES ARE DUE TO THE CHANGE OF THE SECOND ORDER TCR COEFFICIENT OVER TEMPERATURE
- 5 – POSITIVE FLOW DIRECTION IS DEFINED AS PROCEEDING FROM P1 TO P2 AND RESULTS IN POSITIVE OUTPUT (PIN 6 > PIN 2). NEGATIVE FLOW DIRECTION IS DEFINED CONVERSELY AND RESULTS IN NEGATIVE OUTPUT (PIN 6 < PIN 2)

