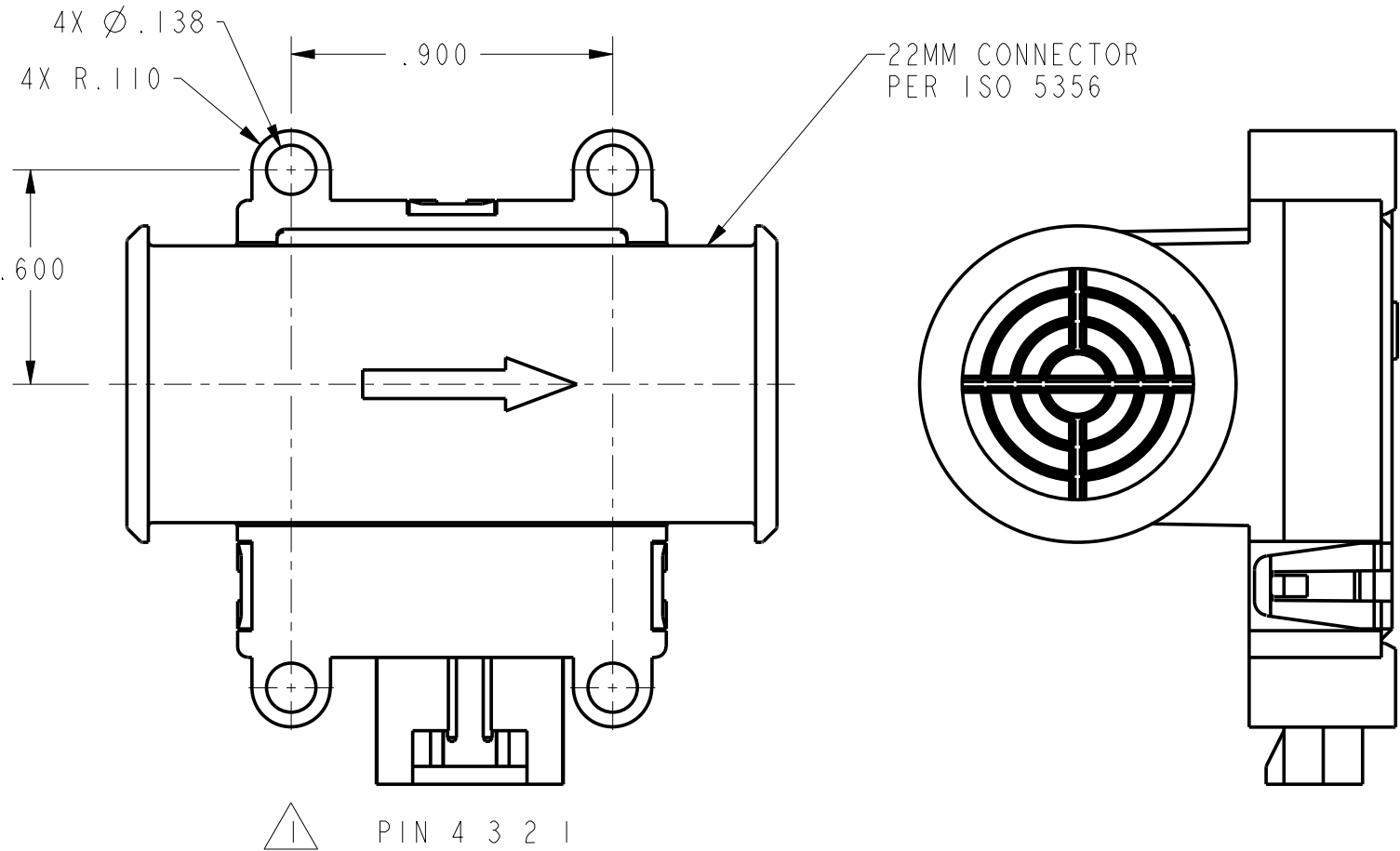


HONEYWELL
PART NUMBER
AWM730B5

REV	DOCUMENT	CHANGED BY	CHECK
A	0013268	VSY 07JUL05	PM



NOTES
1 PIN 1 = +15V
PIN 2 = GND
PIN 3 = +5
PIN 4 = OUTPUT
2 CUSTOMER CHANGE NOTIFICATION IS REQUIRED

DESIGN UNITS: INCH			
TOLERANCES UNLESS NOTED:			
NO PLACE	X	±	.040
ONE PLACE	.X	±	.030
TWO PLACE	.XX	±	.015
THREE PLACE	.XXX	±	.005
FOUR PLACE	.XXXX	±	
ANGLES	X	±	3
THIRD ANGLE PROJECTION			

DRAWN	VSY	07/07/05
CHECK	PM	07/07/05
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INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY		
Pro/ENGINEER	3D	

Honeywell			
TITLE MASS AIRFLOW SENSOR, -			
SIZE B	TYPE I	DRAWING NAME AWM730B5	REV A
SCALE -	SHEET 1 OF 1		

Flow Sensor Specification				
Items	Specifications			
Sensor Type	Mass Flow			
Flow Range	-300 SLPM to +300 SLPM			
Excitation	4.5 to 5.5 VDC Ratiometric Output			
Power Supply	9 to 16 VDC			
Output Range	0.5 to 4.5 VDC nominal, 0.1 to 4.9 VDC worst case @ 5 VDC ± 0.01 VDC excitation. Zero flow output to be 2.5 VDC			
	0 SLPM	100 SLPM	200 SLPM	300 SLPM
	VDC	VDC	VDC	VDC
Nominal	2.500	3.600	4.150	4.500
Tol	± 0.090	± 0.180	± 0.180	± 0.360
Monotonic Measurement Output	Non-decreasing sensor output for flow measurement range			
Reference Error Breakdown at 5 VDC excitation	- Null temperature drift: ± 0.02 VDC from 5°C to 25°C, 25°C to 60°C - Span temperature drift: ± 2.5% reading from 5°C to 25°C, 25°C to 60°C - Repeatability & Hysteresis: ± 0.035 VDC typical - Humidity Error: ± 0.010 VDC typical from 10% to 95% relative humidity (non-condensing) - Long term drift on Null: ± 0.015 VDC typical in 5 yrs - Long term drift on Span: ± 1.0% VDC typical in 5 yrs - Null Error: ± 0.05 VDC - Span Error: ± 0.18 VDC			
Operating Temperature	5° to 60°C			
Calibration Temperature	25°C ±3°C			
Storage Temperature	-40°C to +90°C			
Response Time	< 10ms 10 – 90% typical			
Pressure Drop at 200 SLPM	< 3 cmH ₂ O			
Orientation Sensitivity	< 0.005 VDC variation at 5 VDC excitation between any two directions. Typical			
Warm-up Time	< 5 seconds typical			
Minimum Proof Pressure	±150 cmH ₂ O			