

AC-GAS-2 Axis XY

2 axis gas accelerometer

Range $\pm 1, \pm 2, \pm 5, \pm 10 \text{ G}$
Accuracy $\pm 2 \% \text{ FS}$
Sensitivity 2000 to 200 $\pm 2 \% \text{ mV/G}$
Bandwidth 3dB (std) DC to 20 Hz $\pm 15 \%$

Supply voltage 5 to 16 V
Supply current 6 mA
Output Voltage 0 – 5 V
Output impedance 47 Ω
Signal at 0G 2.5 $\pm 0.05 \text{ V}$
Cross axis sensitivity 4 %
Offset drift (20 to 80°C) $\pm 50 \text{ mV}$
Gain drift (20 to 80°C) $\pm 1.5 \%$

Housing Aluminium
Dimension 25x16x8 mm
Weight 15 g

Vibration test 20 Gpp 5'
Shock 1000 G

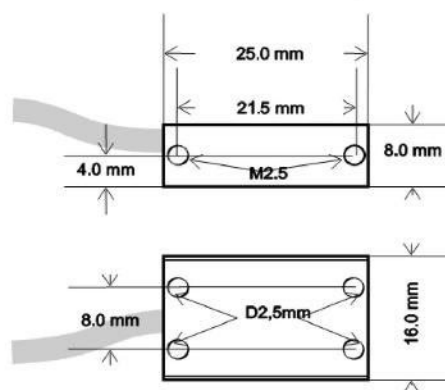
Operating temp -20 to +100°C
Storage temp -40 to +125°C

1 m cable of 3X26AWG FEP
 tinned copper braided cable 250V 200°C

Ordering ref ex: AC-GAS-XB-YB
 AC-GAS2-XRange-YRange

Range				
AA	A	B	C	N
$\pm 1\text{G}$	$\pm 2\text{G}$	$\pm 5\text{G}$	$\pm 10\text{G}$	Not wired

Red Supply
Blue (or Black) 0 V
White Signal X
Braid Not connected



Calibration table				
	2G 1 V/G	5G 400 mV/G	10G 200 mV/G	
-10			0.5	
-5		0.5	1.5	
-2	0.5	1.7	2.1	
-1	1.5	2.1	2.3	
0	2.5	2.5	2.5	
+1	3.5	2.9	2.7	
+2	4.5	3.3	2.9	
+5		4.5	3.5	
+10			4.5	

Examples of inertial units with Texense Gyros and Accelerometers
 (Non contractual image)



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