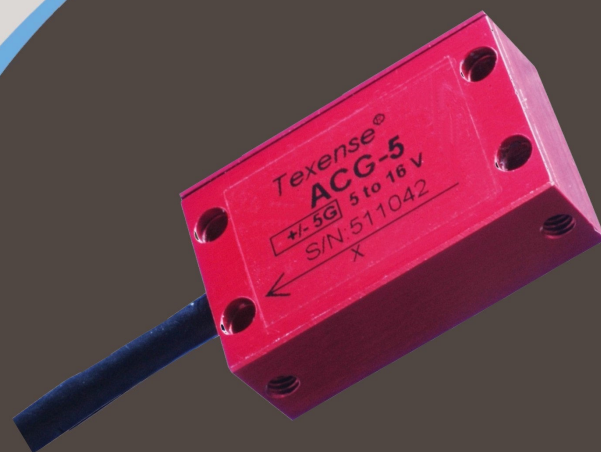




AC-GAS-1 Axis X or Y 1 axis gas accelerometer

Range
Accuracy
Sensitivity
Bandwidth 3dB (std)

$\pm 1, \pm 2, \pm 5, \pm 10 \text{ G}$
 $\pm 2 \% \text{ FS}$
 $2000 \text{ to } 200 \pm 2 \% \text{ mV/G}$
 $\text{DC to } 20 \text{ Hz} \pm 15 \%$

Supply voltage
Supply current
Output Voltage
Output impedance
Signal at 0G
Cross axis sensitivity
Offset drift (20 to 80°C)
Gain drift (20 to 80°C)

$5 \text{ to } 16 \text{ V}$
 6 mA
 $0 - 5 \text{ V}$
 47Ω
 $2.5 \pm 0.05 \text{ V}$
 4%
 $\pm 50 \text{ mV}$
 $\pm 1.5 \%$

Housing
Dimension
Weight

Aluminium
 $25 \times 16 \times 8 \text{ mm}$
 15 g

Vibration test
Shock

$20 \text{ Gpp } 5'$
 1000 G

Operating temp
Storage temp

$-20 \text{ to } +100^\circ\text{C}$
 $-40 \text{ to } +125^\circ\text{C}$

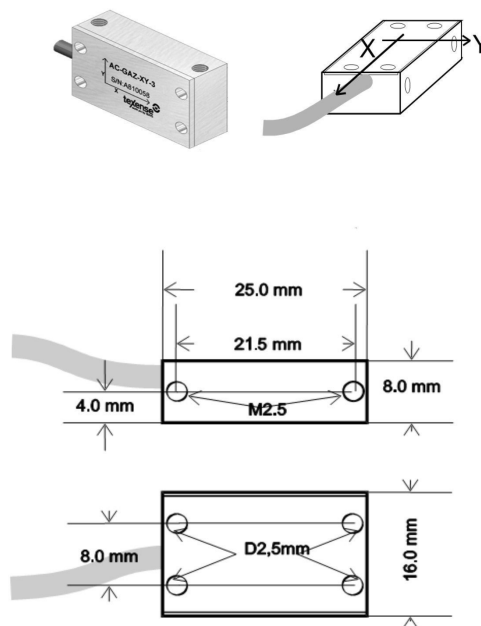
1 m cable of 3X26AWG FEP
tinned copper braided cable 250V 200°C

Ordering ref ex: AC-GAS-YB
AC-GAS1-XRange or 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

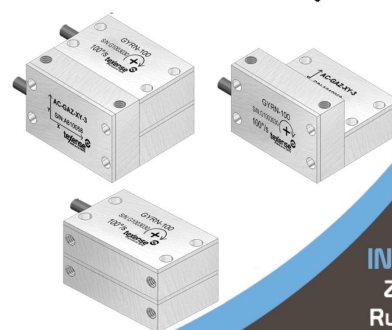
Red
Blue (or Black)
White
Braid

Supply
0 V
Signal X
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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