

AC-GAS-V2

2 AXIS GAS ACCELEROMETER

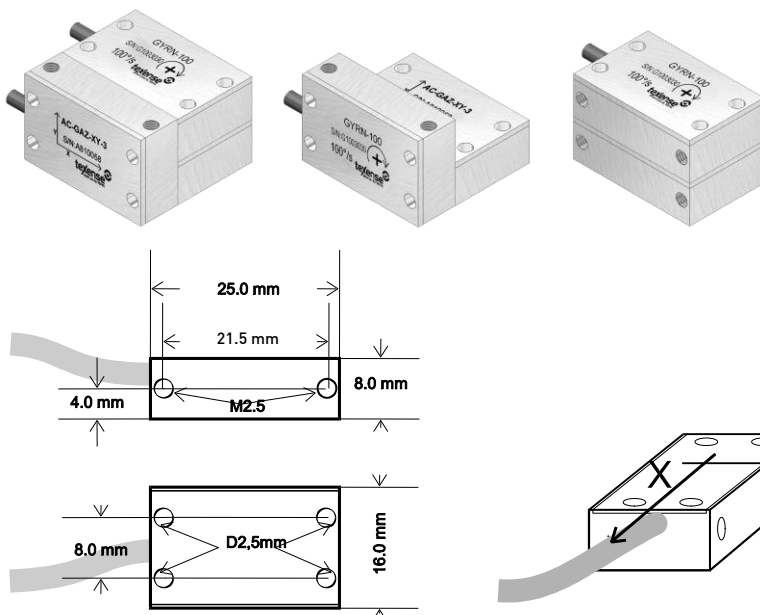
Ref:

SN: Software version:

Texens sensors are designed for data recording. If the user wants to include this sensor in a close loop system or active control, he must assume all responsibility.

Range	$\pm 1, \pm 2, \pm 5, \pm 10$	G
Accuracy	± 2	%
Sensitivity	2000 to 200 $\pm 2\%$	mV/G
Bandwidth 3dB	DC to 20 $\pm 15\%$	Hz
Supply Voltage	5 to 16	V
Supply Current	9	mA
Output Voltage	0 – 5	V
Output Impedance	47	Ω
Calibrator	LDS V406	
Signal at 0G	$2.5 \pm 0,05$	V
Cross axis sensitivity	4	%
Offset Drift (20 to 80°C)	± 50	mV
Gain Drift (20 to 80°C)	$\pm 2,5$	%
Dim	25x16x8	mm
Material	Aluminium	
Weight	15	g
Protection	IP66	
Vibration test	20Gpp 5'	
Shock	1000	G
Operating Temp	-20 to +100	°C
Storage Temp	-40 to +125	°C

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



Sensor Readings

	X	Y
Signal (V) @ -1G		
Signal (V) @ 0G		
Signal (V) @ +1G		
Sensitivity (mV/G)		
Cut off frequency (Hz) at _____ dB		
Cross axis (%)		

Cable : 4x26AWG FEP Tinned copper braided cable 250V 200°C

Length : _____ mm Tubing: _____

Connector : _____

Colour	Function	Pin
Red	Supply	
Black	0V	
White	Signal X	
Green	Signal Y	
Yellow	Diag (do not connect and isolate)	
Braid	Not connected	

Calibration table

	1G 2V/G	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	0.5	1.5	2.1	2.3
0	2.5	2.5	2.5	2.5
+1	4.5	3.5	2,9	2,7
+2		4.5	3,3	2,9
+5			4.5	3,5
+10				4.5

Ordering ref ex: AC-GAS-V2-XB-YB

AC-GAS-V2-XRange-YRange

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