

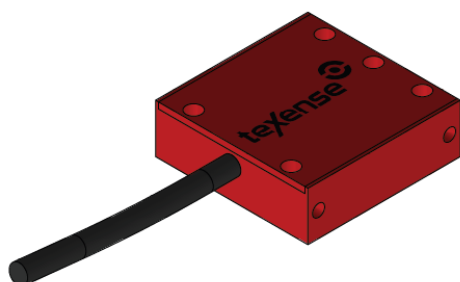
AC-GAS3

3 axis gas accelerometer 3 to 7G range

SN: A#####

Texense sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

Measurement features		
Available ranges	±3, ±5, ±7	G
Sensitivity	667 to 300 ±2%	mV/G
Sensitivity Drift (20 to 80°C)	±3	%
Signal at 0G	2.500 ± 0.040	V
Offset Drift (20 to 80°C)	±20	mV
Bandwidth at -3dB	DC to 17(±15%)	Hz
Calibrator	LDS V406	
Typical Cross axis sensitivity	3	%
Electrical features		
Supply Voltage	6 to 16	V
Supply Current	9	mA
Output Voltage	0 – 5	V
Output Impedance	47	Ω
Mechanical features		
Dim	25x24x8	mm
Material	Aluminium	
Weight (without cable)	10	g
Protection	IP66	
Environment		
Shock	1000	G
Insulation under 50V _{bc}	>55	MΩ
Operating Temp	-20 to +85	°C
Storage Temp	-40 to +125	°C

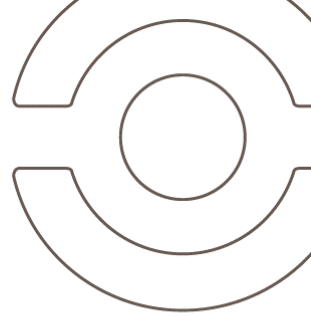


Date		Operator	
Order			
Customer			
Product Ref	AC-GAS3-##-##		
SW version	V###		

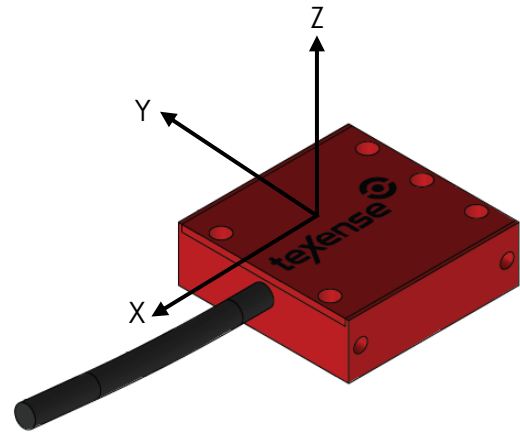
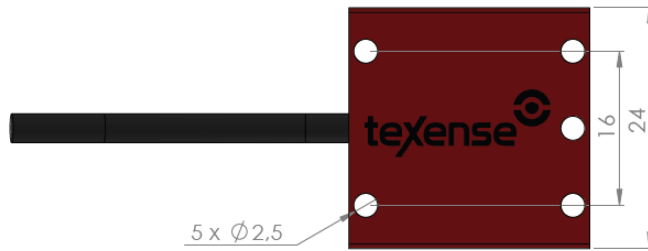
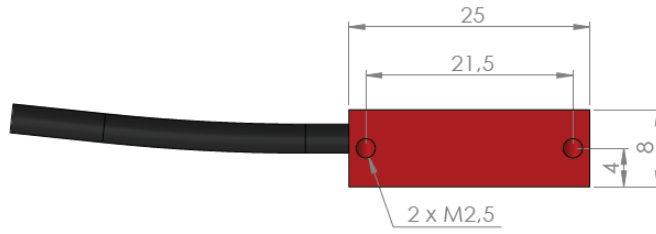
Sensor readings			
	X	Y	Z
Signal (V) @ -1G	...V	...V	...V
Signal (V) @ 0G	...V	...V	...V
Signal (V) @ +1G	...V	...V	...V
Sensitivity (mV/G)	...mV/G	...mV/G	...mV/G
Cut off frequency (Hz) at -3 dB	...Hz	...Hz	...Hz
Cross Axis (%)	...%	...%	...%

Cable		
6x 26AWG FEP tinned copper braided cable 250V 200°C		
Length: 1000mm Tubing :		
Connector: on request		
Color	Function	Pin
Red	Supply	-
Black	0V	-
White	Signal X	-
Green	Signal Y	-
Yellow	Signal Z	-
Blue	Reserved (do not connect and isolate)	-
Braid	Not connected	

Standard calibration table			
G	±3G 667mV/g	±5G 400mV/g	±7G 300mV/g
-7			0.400
-5		0.500	1.000
-3	0.499	1.300	1.600
-1	1.833	2.100	2.200
0	2.500	2.500	2.500
1	3.167	2.900	2.800
3	4.501	3.700	3.400
5		4.500	4.000
7			4.600



Mechanical drawing



Ordering information

Ordering ref:

AC-GAS3 – Range

3: Range ±3G

5: Range ±5G

7: Range ±7G

ex: AC-GAS3-5