

AC-GAS3-XB-YB-ZB

3 AXIS ACCELEROMETER

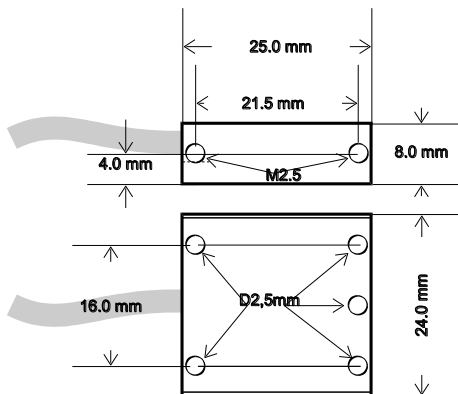
Ref:

SN: _____ Software version : _____

Texys 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	±5	g
Accuracy	2	%
Sensitivity	400 ±2%	mV/g
Cut off frequency (-3dB)	17 ±15%	Hz
Supply Voltage	5 to 16	V
Supply Current	8	mA
Output Impedance	47	Ω
Linear analog output	0 to 5*	V
Output signal at 0g	2.5	V
Calibrator	LDS V406	
Error at 0°/g	±40	mV
Cross axis sensitivity	3	%
Offset Drift (20 to 80°C)	±20	mV
Gain Drift (20 to 80°C)	±3	%
Dim	25x24x8	mm
Material	Aluminium	
Weight	30	g
Protection	IP66	
Vibration test	20Gpp 5'	
Shock	1000	G
Operating Temp	-20 to +85	°C
Storage Temp	-40 to +125	°C

*may be limited when supply voltage is close to 5V



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

Cable : 6x26AWG 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	Signal Z	
Blue	Diag (not to be connected)	
Braid	Connected to case	

Calibration table	
g	±5g 400mV/g
-5	0.5
-2	1.7
-1	2.1
0	2.5
+1	2.9
+2	3.3
+5	4.5

