

IB3

3 AXIS GAS ACCELEROMETER

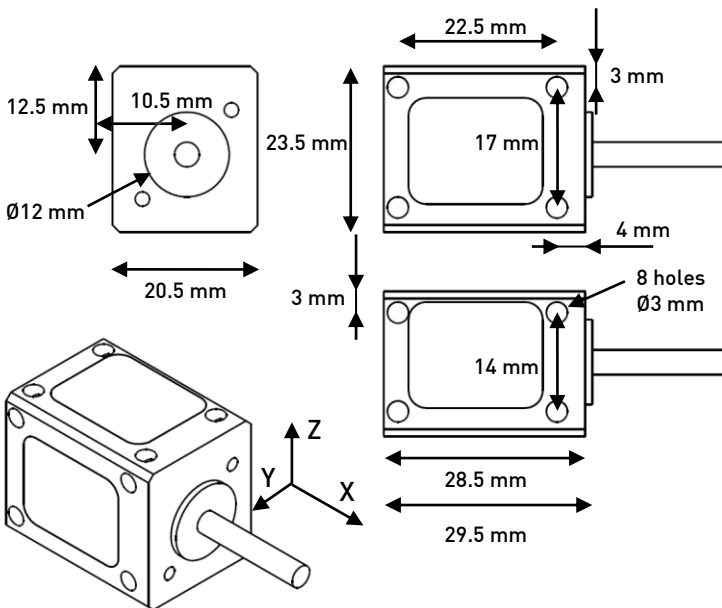
Ref:

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	±1, ±2, ±5, ±10	G
Accuracy	±2	%
Sensitivity	2000 to 200 ±2%	mV/G
Bandwidth 3dB	DC to 20 ±15%	Hz
Supply Voltage	5 to 16	V
Supply Current	16	mA
Output Voltage	0 – 5	V
Output Impedance	47	Ω
Calibrator	LDS V406	
Signal at 0G	2.5 ± 0,05	V
Cross axis sensitivity	4	%
Offset Drift (20 to 80°C)	±50	mV
Gain Drift (20 to 80°C)	±1,5	%
Dim	29.5 x 23.5 x 20.5	mm
Material	Aluminium	
Weight	30	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	Z
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	Signal Z	
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