

texense
world pro by TEXYS



IB3 3 AXIS ACCELEROMETER

ACCELEROMETER GAS X Y

Range	$\pm 1, \pm 2, \pm 5$	G
Accuracy	± 2	%
Sensitivity	2000 to 400 $\pm 2\%$	mV/G
Bandwidth 3dB	DC to 20 $\pm 15\%$	Hz
Signal at 0G	$2.5 \pm 0,05$	V
Offset Drift (20 to 80°C)	± 20	mV
Gain Drift (20 to 80°C)	$\pm 1,5$	%
Cross axis sensitivity	4	%

ACCELEROMETER CAPACITIVE Z

Range	$\pm 5, \pm 10, \pm 15, \pm 20$	G
Accuracy	± 1.5	%
Sensitivity	400 to 100 $\pm 8\%$	mV/G
Bandwidth 6dB	DC to 100	Hz
Signal at 0G	$2.5 \pm 0,05$	V
Offset Drift (20 to 80°C)	± 20	mV
Gain Drift (20 to 80°C)	± 1	%
Cross axis sensitivity	2.5	%

Supply Voltage	5 to 16	V
Supply Current	12	mA
Output Voltage	0 - 5	V
Output Impedance	47	Ω
Calibrator	LDS V406	
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

Sensor Readings

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

Cable : 5x26AWG FEP Tinned copper braided cable 250V 200°C

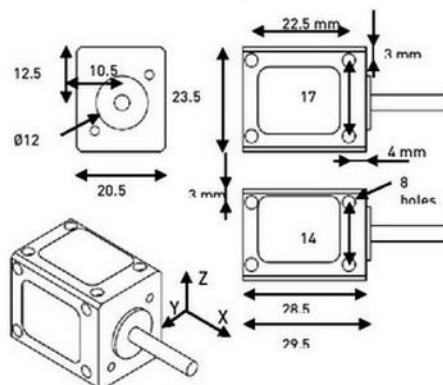
Length : 1000 mm Tubing: _____

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



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

In the interest of continuous product improvement, we reserve the right to alter without prior notice the specifications and features described in this document.