

IB3C	
3 AXIS ACCELEROMETER	
Ref: IB3C-XY50-Z50	
SN: B#####	

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.

ACCELEROMETER CAPACITIVE X Y Z		
Range	±50	G
Accuracy	1.5	%
Sensitivity	40 ±8%	mV/G
Bandwidth -3dB	DC to 280	Hz
Signal at 0G	2.5 ± 0.1	V
Offset Drift (20 to 80°C)	±20	mV
Gain Drift (20 to 80°C)	±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 -3dB (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	
	50G 40 mV/G
-50	0.5 V
-15	1.9 V
0	2.5 V
+15	3.1 V
+50	4.5 V

