



AC-CAP3

3 AXIS CAPACITIVE ACCELEROMETER

Ref: SN :

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 to ±20	G
Accuracy	1	%
Sensitivity	2000 to 100 ±10%	mV/G
Cut off frequency 2 nd order	100	Hz
Supply Voltage	5 to 16	V
Supply Current	< 3	mA
Output Voltage	0 – 5	V
Output Impedance	47	Ω
Calibrator	LDS V406	
Signal at 0G	2.5 ±0.2	V
Resonance	5000	Hz
Cross axis sensitivity typ	3	%
Offset Drift (20 to 80°C)	±30	mV
Gain Drift (20 to 80°C)	±2,5	%
Dim	25x16x8	mm
Material	Aluminium	
Weight	15	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 : ___ mm Tubing: _____

Connector : _____

Colour	Function	Pin
Red	Supply	
Black	0V	
White	Signal Z	
Braid	Not connected	

Std Calibration table (examples)				
	5G 400 mV/G	10G 200 mV/G	15G 133mV/G	20G 100mV/G
-20				0.5
-15			0.5	1.0
-10		0.5	1,17	1.5
-5	0.5	1.5	1,83	2.0
0	2.5	2.5	2.5	2.5
+5	4.5	3.5	3,17	3.0
+10		4.5	3,83	3.5
+15			4.5	4.0
+20				4.5

Ordering ref ex: AC-CAP3-XB-YB-ZC

AC-CAP3-XRange-YRange-ZRange

Range						
AA	A	B	C	D	E	N
±1G	±2G	±5G	±10 G	±15 G	±20 G	Not wir ed

