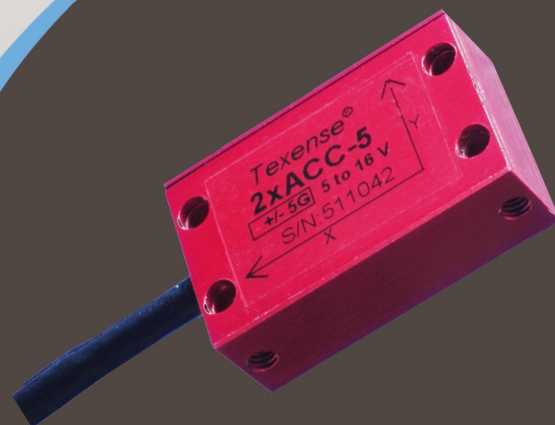




AC-CAP-2 Axis XY

2 axis capacitive accelerometer

Range
Accuracy
Sensitivity
Bandwidth 6dB (std)

$\pm 5, \pm 10, \pm 15, \pm 20$ G
 ± 1.5 % FS
400 to 100 ± 8 mV/G
DC to 100 Hz

Supply voltage
Supply current
Output Voltage
Output impedance
Resonance
Cross axis sensitivity
Offset drift (20 to 80°C)
Gain drift (20 to 80°C)

5 to 16 V
3 mA
0 – 5 V
47 Ω
5000 Hz
2.5 %
 ± 20 mV
 ± 1 %

Housing
Dimension
Weight

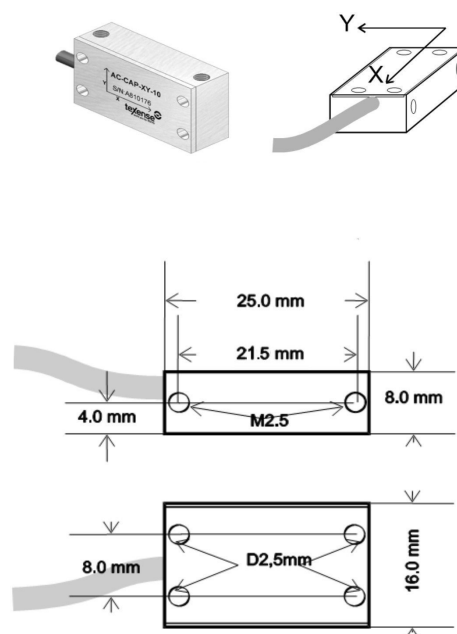
Aluminium
25x16x8 mm
15 g

Vibration test
Shock

20 Gpp 5'
1000 G

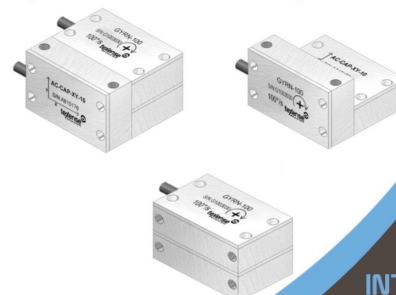
Operating temp
Storage temp

-20 to +100°C
-40 to +125°C



Calibration table				
	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

Examples of inertial units with Texense Gyros and Accelerometers



1 m cable of 4X26AWG FEP
tinned copper braided cable 250V 200°C

Ordering ref ex: AC-CAP2-XB-YB
AC-CAP2-XRange-YRange

Range				
B	C	D	E	N
$\pm 5G$	$\pm 10G$	$\pm 15G$	$\pm 20G$	Not wired

Red
Black
White
Green
Braid

Supply
0 V
Signal X
Signal Y
Not connected