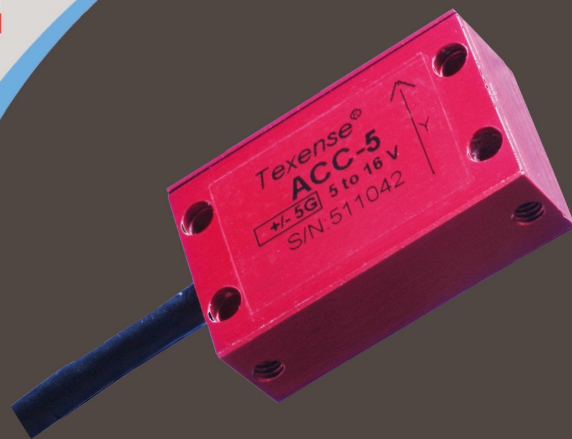




AC-CAP-1 Axis X or Y

1 axis capacitive accelerometer

Range
Accuracy
Sensitivity
Bandwidth 6dB (std)

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

Supply voltage
Supply current
Output Voltage
Output impedance
Resonance

5 to 16 V
3 mA
0 – 5 V
47 Ω
5000 Hz

Offset drift (20 to 80°C)
Gain drift (20 to 80°C)

$\pm 20 \text{ mV}$
 $\pm 1 \%$

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

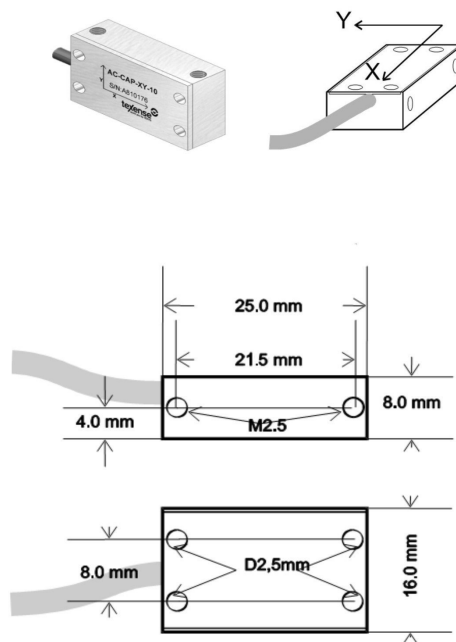
1 m cable of 3X26AWG FEP
tinned copper braided cable 250V 200°C

Ordering ref ex: AC-CAP -YB
AC-CAP1-XRange or YRange

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

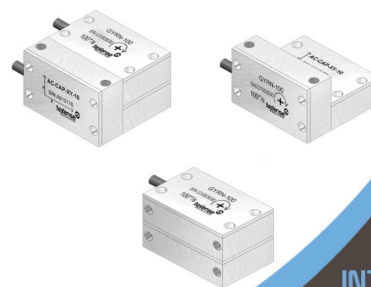
Red
Blue (or Black)
White
Braid

Supply
0 V
Signal
Not connected



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



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