



- Analog 1-, 2-, or 3 axis accelerometer
- Frequency range up to 100 Hz
- Range from +/- 5 to +/- 20g
- Lightweight and easy to install

Compact and lightweight class-leading 3 axis accelerometer. Temperature compensation to 80° C allows the customer an easy installation even in severe conditions. The capacitive accelerometer type has a wide range of applications and is ideally suited to survive in harsh environments.

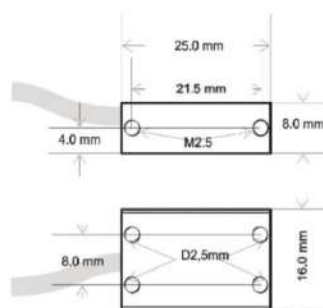
Specifications	
Range	5 G, 10 G, 15 G, 20 G
Accuracy	± 1 % FS
Sensitivity	400 to 100 ± 2% mV/G
Cut off frequency	100 Hz
Supply Voltage	5 to 16 V
Supply Current	< 3 mA
Output Voltage	0 - 5 V
Output Impedance	68 Ω
Signal at 0 G	2.5 ± 0.05 V
Resonance	5000 Hz
Cross axis sensitivity	2.5 % (X, Y), 3% (Z)
Offset drift (20 to 80°C)	± 30 mV
Gain Drift (20 to 80°C)	± 2.5%
Dimensions	25 x 16 x 8 mm
Material	Aluminium
Weight	15 g
Protection	IP66
Vibration test	20 Gpp 5'
Shock	1000G
Operating Temp	-20 to +100° C
Storage Temp	-40 to +125° C

Ordering	
AC-CAP-3 Range	Ordering code
±5G	AC-CAP-3-5
±10G	AC-CAP-3-10
±15G	AC-CAP-3-15
±20G	AC-CAP-3-20

Calibration table				
	5 G 400 mV/G	10 G 200 mV/G	15G 133 mV/G	20 G 100 mV/G
-20	Out of range	Out of range	Out of range	0.5
-15	Out of range	Out of range	0.5	1.0
-10	Out of range	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	Out of range	4.5	3.83	3.5
+15	Out of range	Out of range	4.5	4.0
+20	Out of range	Out of range	Out of range	4.5

Dimensions and Wiring:

1 m cable of 5 x 26AWG FEP
Tinned copper braided cable 1250V
200°C



Colour	Function
Red	+ 5 to 16V
Black	0V
White	X axis analog output
Green	Y axis analog output
Yellow	Z axis analog output
Braid	Not connected

