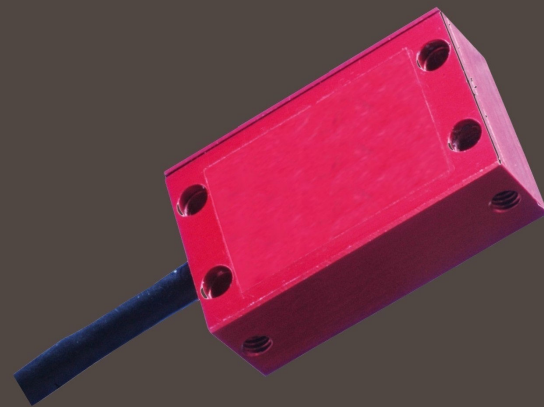




# AC-CAP-3 Axis XYZ

## Analog 1,2 or 3 axis Accelerometer

**Range**  
**Accuracy**  
**Sensitivity**  
**Cut off frequency**

5 G, 10 G, 15G, 20G  
±1% FS  
400 to 100 ± 2% mV/G  
100 Hz

**Supply voltage**  
**Supply current**  
**Output voltage**  
**Output impedance**  
**Signal at 0G**  
**Resonance**  
**Cross axis sensitivity**

5 to 16V  
< 3 mA  
0 – 5 V  
68 ohms  
2.5 ± 0.05 V  
5000Hz  
3 %

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

± 30 mV  
± 2.5 %

**Housing**  
**Dimension**  
**Weight**

Aluminium  
25x16x8 mm  
15g

**Vibration test**  
**Shock**

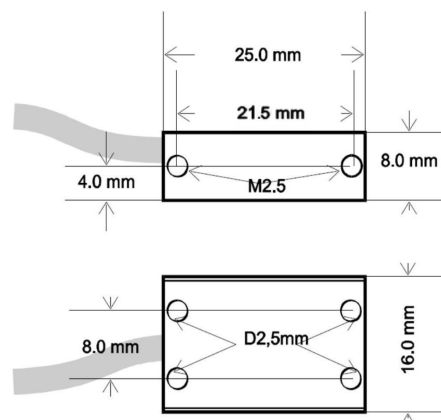
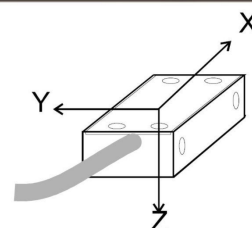
20 Gpp 5'  
1000 G

**Operating Temperature**  
**Storage Temperature**

-20 to +100 °C  
-40 to +125 °C

1 m cable of 5x26AWG FEP  
Tinned copper braided cable 250V 200°C

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



| Calibration table |                |                 |                |                |
|-------------------|----------------|-----------------|----------------|----------------|
|                   | 5G<br>400 mV/G | 10G<br>200 mV/G | 15G<br>133mV/G | 20G<br>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-CAP3-5  
AC-CAP3-Range

| Range |      |      |      |
|-------|------|------|------|
| ±5G   | ±10G | ±15G | ±20G |

In the interest of continuous product improvement, we reserve the right to alter without prior notice the specifications and features described in this document