

Capacitive Accelerometer

BST 67K3 triaxial

Applications

Features

- Anodized Aluminium Housing
- DC Response
- Voltage Output
- Calibration
- Low cost
- Motion
- Automotive
- Truck and Busses
- Train
- Comfort

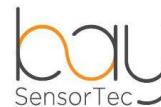
Description

The new model BST 67K3 is a uniaxial accelerometer based on variable capacitive technology with a good frequency response. The accelerometers are designed for relatively low amplitudes. Do to the mounting is very easy with glue. The sensor has 2m very high rugged and flexible cable this makes it easy to connect the sensor on data acquisition systems. It operates between 8 and 30 VDC unregulated.

As an option, we supply the sensor with connector, Dallas ID or TEDS module. A calibration for the sensor is obligatory.

Specifications

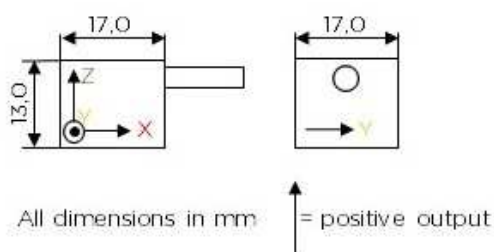
| | |
|-------------------------|-----------------------------------|
| Range | from 1.5 g to 15 g |
| Supply voltage | 8 to 30 VDC unregulated |
| Power Consumption | max. 3 mA |
| Zero measurement output | 2500 mV DC +/- 200 mV |
| Sensitivity | 100 mV/g up to 1000 mV/g |
| Frequency typ | 0 Hz to 250 Hz |
| Shock limit | 2000 g |
| Operation Temperature | -20° to 80° C |
| Weight | 12 grams without cable |
| Dimensions | 17,0 x 17,0 x 13.0 mm (l x w x h) |
| Cable | 2 m, shielded, 5 wire AWG30 |
| Case material | anodized Aluminium |
| Mounting | Glue |



Individual Data

| | | | |
|------------------|-------|-------|-------|
| Range g | 1,5 | 5 | 15 |
| Frequency Hz | 0-120 | 0-250 | 0-250 |
| Sensitivity mV/g | 1000 | 400 | 100 |

Dimensions



Cable Code Single ended

Red = Excitation +
White = Signal X

Black = Excitation -
Yellow = Signal Y

Green = Signal Z

Order Information

BST 67K3-05-2Z
67K3 = Model Name
05 = Range 5 g
2 = 2 m shielded cable
Z = no connector