

## Capacitive Accelerometer

### BST 67K3

#### triaxial

#### Applications

##### Features

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

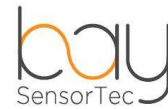
#### Description

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

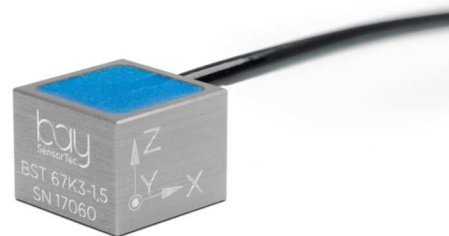
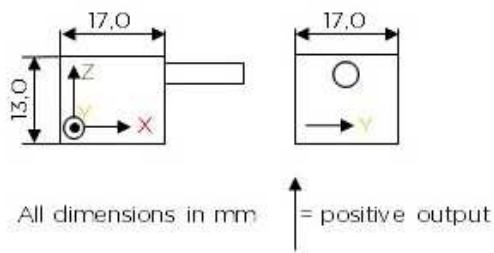
Range	from 1.5 g to 15 g
Supply voltage	8 to 30 VDC unregulated
Power Consumption	max. 3 mA
Zero measurement output	2500 mV DC +/- 200 mV
Sensitivity	100 mV/g up to 1000 mV/g
Frequency typ	0 Hz to 250 Hz
Shock limit	2000 g
Operation Temperature	-20° to 80° C
Weight	12 grams without cable
Dimensions	17,0 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 +      Black = Excitation –  
White = Signal X    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