

## Contact

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## Capacitive Accelerometer

**BST 51K3** Uniaxial

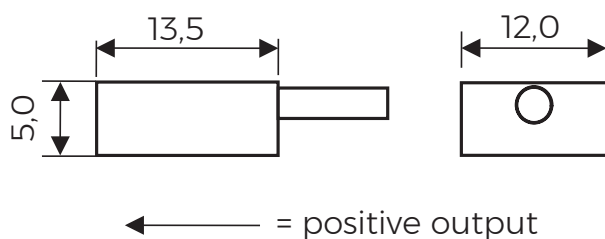
### Features

- Anodized Aluminium Housing
- DC Response
- Voltage Output
- Low Cost

### Application

- Train
- Automotive
- Truck and Busses
- Comfort

### Dimensions



### Description

The new model BST 51K3 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. A calibration for the sensor is obligatory.



## Specifications

Range	from 1.5 g to 15 g
Sensitivity	100 mV/g up to 1000 mV/g
Supply voltage	8 to 30 VDC unregulated
Zero measurement output	2500 mV DC +/- 200 mV in Single Ended Mode
Frequency 3 dB typ	0 Hz to 250 Hz
Shock limit	2000 g
Operation Temperature	-20° to 80° C
Dimensions	13,5 x 12,0 x 5.0 mm (l x w x h)
Mounting	Glue
Weight	3 gram
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	300	100

## Cable Code

Red = Excitation +      Black = Excitation -      Green = Signal

## Order information

BST 51K3-15-2Z  
 51K3 = Model Name  
 15 = Range 15 g  
 2 = 2 m shielded cable  
 Z = no connector