

## Contact

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## Capacitive Accelerometer

**BST 56K3** Uniaxial

### Features

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

### Application

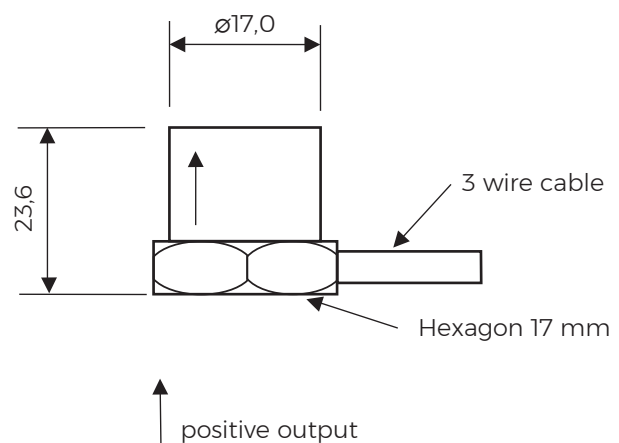
- Truck and Busses
- Train
- Motion
- Automotive
- Comfort

### Dimensions

### Description

The new model BST 56K3 is a uniaxial accelerometer based on variable capacitive technology with a good frequency response. The accelerometers are designed for relatively low amplitudes. 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. The sensor has a connector in the housing. This sensor is mounted with a mounting stud M4 and fixed with a hexagon 17mm.

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



## Specifications

Range	from 15 g to 15 g
Sensitivity	100 mV/g up to 1000 mV/g
Supply voltage	8 to 30 VDC unregulated
Power Consumption	max. 3 mA
Zero measurement output	2500 mV DC +/- 150 mV in Single Ended Mode
Frequency 5% typ	0 Hz to 250 Hz
Shock limit	3000 g
Operation Temperature	-20° to 100° C
Dimensions	SW 17 mm, 23,6 mm high
Weight	14 grams
Case material	anodized Aluminium
Mounting	M4 mounting stud

## Individual Data

Range g	1.5	5	15
Frequency Hz	0-90	0-250	0-250
Sensitivity mV/g	1000	300	100

## Cable Code Single-Ended (3-wire)

Red = Excitation +      Black = Excitation -      Green = Signal

## Order information

BST 56K3-05-2Z  
 56K3 = Model Name  
 05 = Range 5 g  
 2 = 2 m shielded cable  
 Z = no connector