

## ASC 62C1

Uniaxial  
Wheatstone Bridge  
mV Output  
Specification SAE J211  
Aluminum Package



### Features

- Ranges 500g and 1,000g
- Cube
- Very Small Size and Light Weight
- Frequency Response starting at 0 Hz
- High Shock Resistant
- Gas Damped

### Options

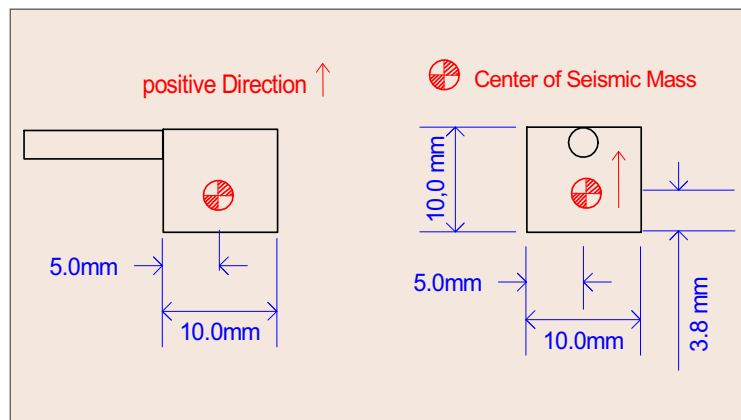
- Customized cable length
- Customized connector
- Sensor ID modules

### Service

- Pendulum calibration
- Sinusoidal calibration

### Applications

- Automotive Comfort Testing
- Crash Testing
- Flutter Testing
- Truck Testing
- Modal Analysis



### Description

The model **ASC 62C1** is an uniaxial accelerometer based on piezoresistive technology and factory calibrated. The **ASC 62C1** is a very small and compact accelerometer which meets the **specification SAE J211**. Its housing is a cube form and hard anodized aluminum. Due to its low mass this model is ideal for testing lightweight structures.

The sensing element has integrated overload stops and therefore the silicon chip is highly shock resistant. The **ASC 62C1** has an excellent non-linearity over a wide frequency response. Electrically it is configured as a Wheatstone Bridge. The **ASC 62C1** can be obtained with all common sensor ID modules.

A very high flexible and rugged cable provides a simple mounting. The **ASC 62C1** is equipped as standard with 6 m of this cable.

## General Technical Data

Supply Voltage		10 VDC
Linearity: typ. FSO		0.5 %
Damping Ratio typ.		0.7
Transvers Sensitivity: typ.		< 3%
Zero g Output typ.		+/- 50 mV
Bridge Resistance		4 kOhm
TC Zero (0° C to 50° C), typ.FSO:		+/- 0.2 %/° C
Weight	Housing	3 g
	Cable	12 g/m
Material	Housing	Aluminum hard anodized
	Cable	PU

At 10 VDC Supply and 25°C

## Individual Technical Data

		ASC 62C1
Operating Temperature		-20° C to 80° C
Storage Temperature		-40° C to 100° C
Range 500g	Sensitivity	0.4 mV/g
	Frequency +/- 5 %	3,000 Hz
	Shock Resistance	4,000g
Range 1000g	Sensitivity	0.15 mV/g
	Frequency +/- 5 %	4,000 Hz
	Shock Resistance	5,000g

Cable Code:            Red    Supply +            Green    Signal +  
                               Black    Supply -            White    Signal -

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## Order Information

### ASC 62C1-XXX-6 XX

①      ②      ③      ④

- ① Model: 62C1 Aluminum hard anodized
- ② Range: e.g. 002 is 2 g
- ③ Cable: Length in Meter
- ④ Connector and Pinout / „A“ is for No Connector