

## Contact

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## Gyro Sensor

**BST 83G3C** triaxial

### Features

- Very small housing
- Low power consumption
- Low noise
- Aluminium Housing
- 0 Hz (DC)

### Application

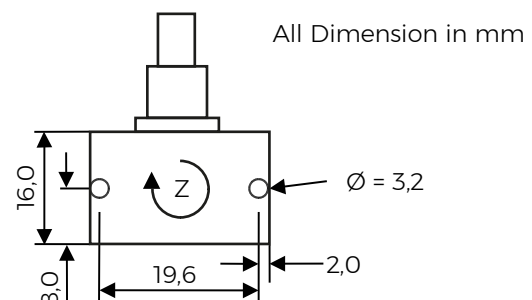
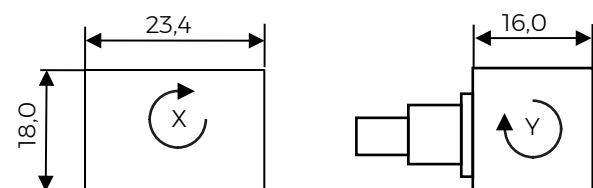
- Crash-Test

### Description

The Model **BST 83G3C** is a triaxial Angular-Rate-Sensor, based on MEMS Technology, its design is especially for Car-Safety-Tests with Differential Signal Output.

Due to the very small size make it easy to mount it on difficult places or on a little. The housing material is aluminium. The **BST 83G3C** is very shock resistant. The sensor has 6 m high rugged shielded PUR-cable which is useable for connector from Lemo or ODU with Dallas ID and Shunt.

### Dimensions



## Specifications

	900	1500	2700	5000	10000
Ranges (°/S)	900	1500	2700	5000	10000
Sensitivity typ. (mV/°/s)	2,2	1.35	0.73	0.4	0.2
Frequency (Hz)	100	100	100	150	150
Supply Voltage	7 to 28 VDC				
Zero Output	0 +/- 150 mV				
Current	6 mA max.				
Signal Spann	2 000 mV DC				
Linearity	< 0,5 % FS typ.				
Cross Axis Sensitivity	1 % typ. max. 3 %				
Shock Resistance	2000 g				
TC Zero	0,03 %/°/s FSO				
TC Signal	+/- 1 % typ. (+/- 3% max.)				
Operation Temp.	-20° to 70° C				
Storage Temp.	-25° to 100° C				
Material	Aluminium, anodized				
Wight	23 gram without cable				
Cable	3 x 4-wire AWG 30, PUR, Ø 4.4 mm				
Wight	30 gram per meter				
Dimension	23,4 x 16.0 x 18,0 mm (l x w x h)				

## Cable Code Single ended

### x-axis

red / violet = Excitation +  
black / violet = Excitation -

green / violet = Signal +  
white / violet = Signal -

### y-axis

red / grey = Excitation +  
black / grey = Excitation -

green / grey = Signal +  
white / grey = Signal -

### z-axis

red = Excitation +  
black = Excitation -

green = Signal +  
white = Signal -

## Order information

### BST 83G1C-2700-6Z

83G3C = Model Name  
2700 = Range 2700 °/S  
6 = 6 m Cable  
Z = no connector

## Optional

Filter  
ID-Modul  
Connector