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Gyro Sensor

BST 83G3M triaxial

Features

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

Application

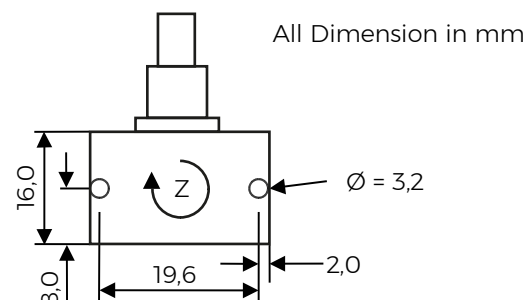
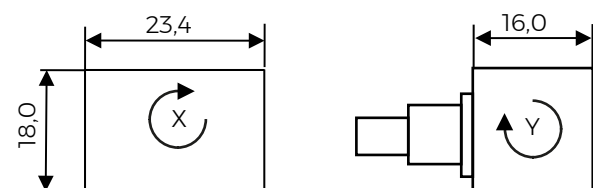
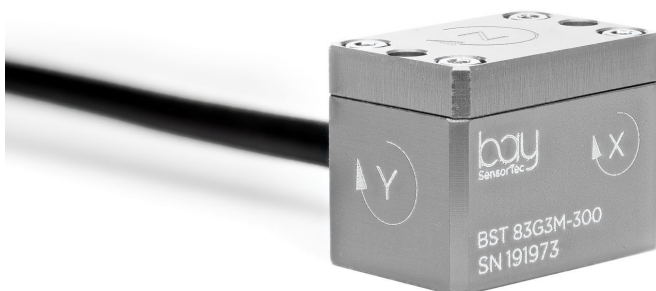
- Automotive Testing
- Train
- Truck & Busses
- Tractors

Description

The Model **BST 83G3M** is a triaxial Angular-Rate-Sensor, based on MEMS Technology and a very low power consumption between 5 Volt and 28 Volt the sensor can be connected to all Data Acquisitions Systems in many applications like Automotive, Truck, Geology and Train application. The sensor is temperature compensated from -25°C to 85°C and has an Amplified Signal Output.

Do to the small Aluminium Housing makes it easy to mount it on difficult places. The **BST 83G3M** is very shock resistant. The sensor has 6 m high flexible and rugged shielded PUR-cable.

Dimensions



Specifications

Supply Voltage	5 to 28 VDC
Zero Output	1650 +/- 50 mV
Current	18 mA
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.	-30° to 100° C
Storage Temp.	-45° to 125° C
Wight	23 gram without cable
Cable	5 wire AWG 30, PUR, Ø 3.0 mm
Dimension	23,4 x 16.0 x 18,0 mm (l x w x h)

Individual Data

Ranges (°/s)	75	150	300	900
Sensitivity (mV/°/s) typ.	13,5	6,7	3,3	1,2
Frequency (Hz)	100	100	100	100

Cable Code Single ended

red = Excitation +
black = Excitation -

white = Signal X
yellow = Signal Y
green = Signal Z

Order information

BST 83G3M-300-6Z

83G3M = Model Name
300 = Range 300 °/S
6 = 6 m Cable
Z = no connector

Optional

Filter
TEDS Modul
Connector