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Gyro Sensor

BST 83G1M uniaxial

Features

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

Application

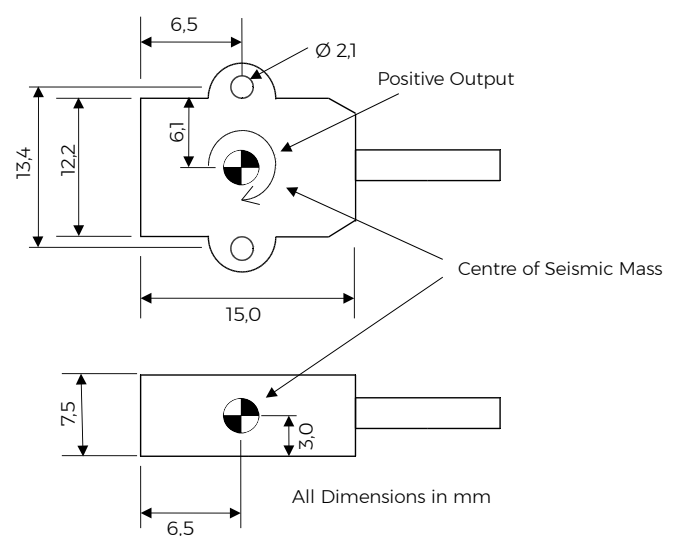
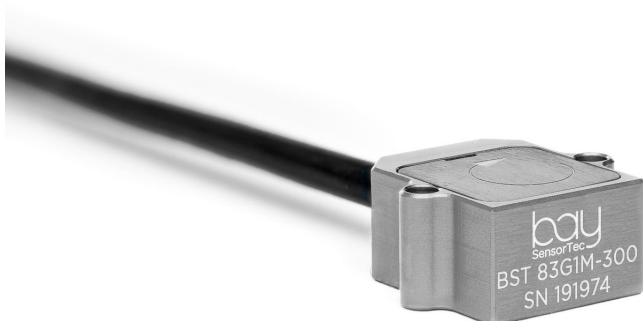
- Automotive Testing
- Train
- Truck & Busses
- Tractors

Description

The Model **BST 83G1M** is a uniaxial Angular-Rate-Sensor, based on MEMS Technology, its design is many applications like Automotive, Truck and Train application. The sensor is temperature compensated from -25°C to 85°C and has an Amplified Signal Output.

Do to the very small size make it easy to mount it on difficult places or on a little triaxial mounting block. The mounting block is prepared for three gyros. The **BST 83G1M** 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 mV +/- 50 mV
Current	6 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 120° C
Wight	4 gram without cable
Cable	3-wire AWG 30, PUR, Ø 3.0 mm
Dimension	15.0 x 10.2 x 7.5 mm (l x w x h)

Individual Data

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

Cable Code Single ended

red = Excitation + black = Excitation - green = Signal

Order information

BST 83G1M-300-6Z

83G1M = Model Name
 300 = Range 300 °/S
 6 = 6 m Cable
 Z = no connector

Optional

Filter
 ID-Modul
 Connector
 Mounting Block