

Gyros

Installation

The gyro installation should not be exposed to vibration frequencies $>2\text{kHz}$, or permanent damage to the sensor may be caused. For applications where high frequency vibration is present, AV mountings should be used to isolate the unit and provide a roll off at around 2kHz .

- M3 x 0.5 mounting screws, of appropriate length, should be used
- Torque 2.5Nm (max)

We do not recommend rigidly clamping the cable close to the exit from the housing, as this may induce unwanted output shifts due to sensitive axis mis-alignment.

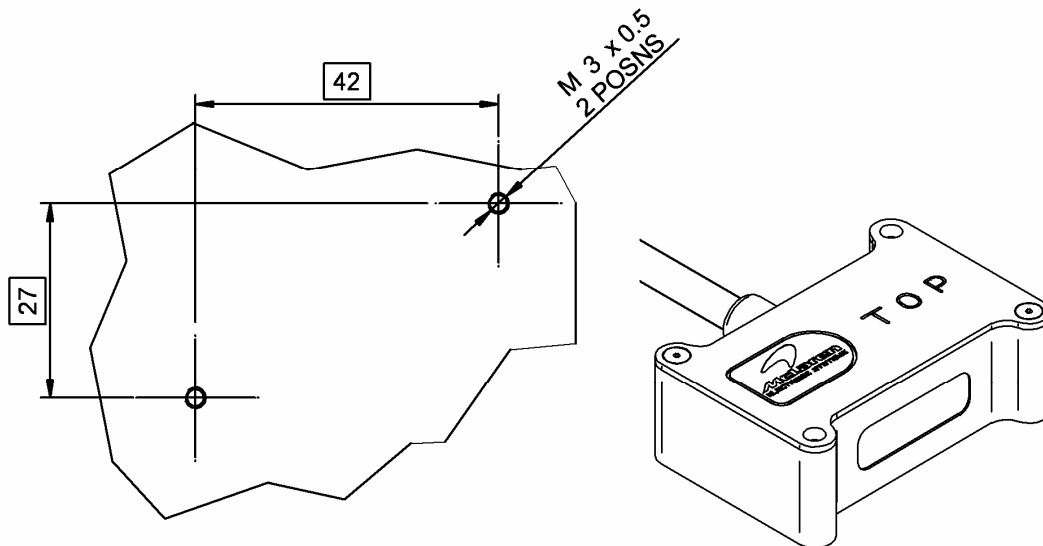
Single axis gyro

The sensor sensitive axis is vertical when mounted in the recommended orientation. The sensor output voltage swing will be reduced if the sensors sensitive axis is inclined from the upright position.

Mounting the sensor 180° from the recommended orientation will reverse the output from the sensor.

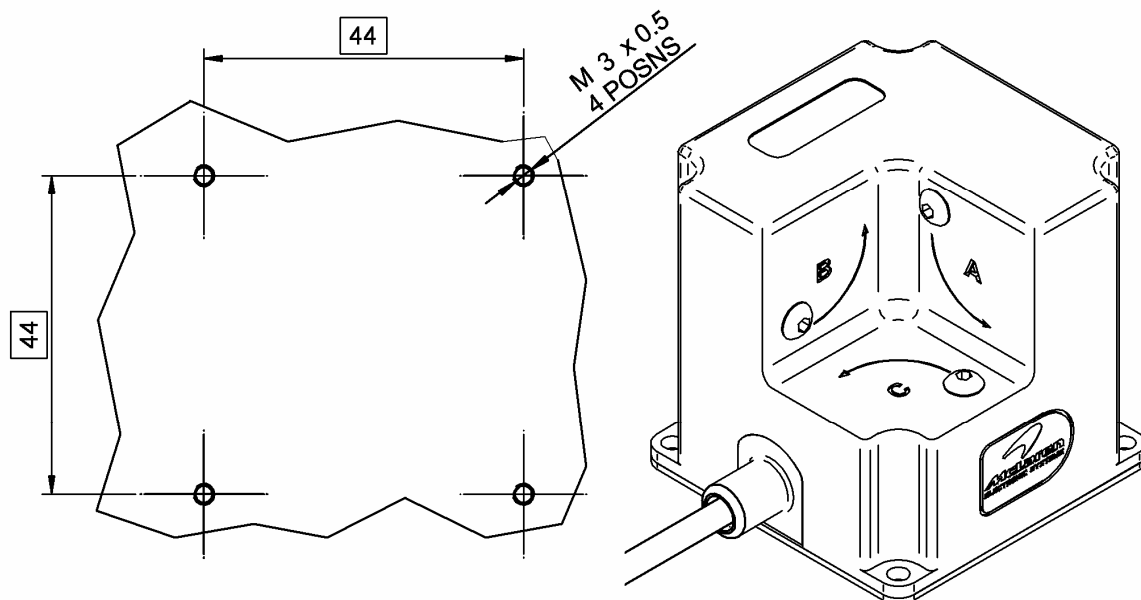
3 axis gyro

The sensitive axis of each gyro are perpendicular to the labelled face (A, B and C), as shown. Mounting the particular axis of this sensor 180° from the recommended orientation will reverse the outputs from the relevant gyro and could cause other axis to reserve also.



Recommended Installation for Single Axis Gyro

Gyros



Recommended Installation for 3 axis gyro