



# GYRO

## Product Description

These navigation sensors combine a tri-axial MEMS gyro with a single-, dual- or tri-axial accelerometer in a single, compact housing.

## Application

- Measurement of yaw and roll rate
- Slip angle correction
- Position and motion sensing

## Product highlights

- Simultaneous measurement in up to 6 axes (3-axis gyro plus 3-axis accelerometer)
- $\pm 3$  g accelerometer
- $\pm 150$  °/s gyro
- Temperature range:  $-40 \dots 85$  °C
- Compact and light-weight
- Case made of anodized die-casting aluminum



# TSM

<b>Performance<sup>1</sup></b>		
Sensitivity Value (nominal)	°/s mV/°/s	±150 12,5
Sensitivity Tolerance	%FSO	±10
Zero rate bias output Value (nominal)	VDC	+2,5
Zero rate bias output Value Tolerance	mV	±100
Full scale span Value (nominal)	VDC	±2
Full scale span Value Tolerance	%FSO	±10
Frequency response Value (nominal)	Hz dB	25 -3
Frequency response Value Tolerance	%	±20
RMS equivalent noise Value (nominal) RMS Gauss 1 BW	°/s Hz	1 25
RMS equivalent noise Value Tolerance	%	±25
Non-linearity	%FSO	±0,3
Transverse sensitivity Value (nominal)	°/s/G	0,2
Transverse sensitivity Value Tolerance	%	±25
Zero rate bias drift (max.)	mV	200
Power supply Value (nominal)	VDC	8 ... 42
Supply current (no load) Value (nominal)	mA	60
Supply current (no load) Value Tolerance	mA	±10
Temperature range Operation	°C	-40 ... 85
Temperature range Storage	°C	-65 ... 105
Weight Value (nominal)	grams	230
Weight Value tolerance	grams	±25
Shock Operation	g	1 000