



- ▶ **Single Axis for data recording**
- ▶ **Range options $\pm 50^\circ/\text{sec}$, $\pm 100^\circ/\text{sec}$ and $\pm 150^\circ/\text{sec}$**
- ▶ **Easy to install**
- ▶ **High resolution**

Thanks to its dimensions, characteristics and compatibility with accelerometers, this gyroscope allows the dynamic behaviour of the vehicle to be interpreted and checked.

Combining temperature compensation at 80°C and highly compact size, the 1 axis gyroscope allows our customers an easy installation and usage in the most severe conditions.

Specifications

Range	$\pm 50, \pm 100, \pm 150 \text{ }^\circ/\text{s}$
Accuracy	2 %
Sensitivity	40, 20, 13.3 mV/ $^\circ/\text{s}$
Cut off frequency 1st order	50 Hz
Supply Voltage	5 to 16 V
Supply Current	5 mA
Output Signal @ $0^\circ/\text{Sec}$	$2.5 \pm 0.1 \text{ V}$
Output Impedance	47 Ω
Linear analog output	0 to 5 V
Calibrator	rotating plate
Zero drift (20 to 80°C)	25 mV
Gain Drift (20 to 80°C)	$\pm 1 \%$
Dimensions	25x16x8 mm
Material	Aluminium
Weight	15 g
Protection	IP66
Vibration test	20Gpp 5'
Shock	500 G
Operating Temp	-40 to $+105^\circ \text{ C}$
Storage Temp	-40 to $+125^\circ \text{ C}$

Calibration table			
°/s	±50°/s 40mV/°/s	±100°/s 20mV/°/s	±150°/s 13,3mV/°/s
-150	Out of range	Out of range	0.5
-100	Out of range	0.5	117
-50	0.5	1.5	183
0	2.5	2.5	2.5
+50	4.5	3.5	3.17
+100	Out of range	4.5	383
+150	Out of range	Out of range	4.5

Dimensions and Wiring	
Red	Supply
Black	0 V
White	Signal
Braid	not connected

GYRP Range	Ordering code
±50°/s	GYRP-50
±100°/s	GYRP-100
±150°/s	GYRP-150

Configuration possibilities

