iMEMS® Gyroscopes

Analog Devices' revolutionized angular rate sensing with the first fully integrated MEMS Gyros combining mechanical structures with signal processing circuitry onto a monolithic IC. ADI's iMEMS® Gyros integrate a digitally controlled, full self-test feature that can be operated while the sensor is active, a temperature sensor for easy-to-implement temperature coefficient calibration, and a precision voltage reference. When performance under severe conditions is mission critical, iMEMS gyros are more reliable, power efficient, user friendly, compact, and cost-effective than other gyros. iSensor™ gyros go further by adding application targeted functionality, factory calibration, and programmability, all in a single small package.

New Products | Design Tools | Documentation

ADIS16265 - Programmable Gyroscope

ADIS16260 - Programmable Low Power Gyroscope

ADIS16400 - High Precision Tri-Axis Inertial Sensor
Gyroscope, Magnetometer, Accelerometer

ADXRS622 - ±250°/sec Yaw Rate Gyroscope

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Selection Tables on this Page:

iMEMS® Gyroscopes ADIS Gyroscopes

iMEMS® Gyroscopes

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- **Narrow Results by Entering Values in Numeric Fields or by Pull Down Selections**

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Part# Results: 4	Range	Sensitivity	Typical Bandwidth (kHz)	Noise Density (°/s/rtHz)	Nonlinearity	Temp Sensor	Voltage Reference	Voltage Supply (V)	Supply Current	Temp Range (°C)	Price (1000-4
Sort parameter											
Filter by value Update Resul	= All							= All			
ADXRS610	+/-300 °/s	6 mv/°/s	2.5	0.05	0.1% of FS	Yes	No	4.75 to 5.25	3.5mA	-40 to 105°C	$19.9
ADXRS613	+/- 150 °/s	12.5mV/°/s	3	0.04	0.1% of FS	Yes	No	4.75 to 5.25	3.5mA	-40 to 105°C	$19.9
ADXRS614	+/- 50 °/s	25 mV/°/s	1	0.04	0.1% of FS	Yes	No	4.75 to 5.25	3.5mA	-40 to 105°C	$19.9

**** Bandwidth is User Selectable**

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ADIS Gyroscopes

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Part# Results: 17	Product Description	Range	Sensitivity	Typical Bandwidth (kHz)	Noise Density (°/s/rtHz)	Voltage Supply (V)	Supply Current	Temp Range (°C)	Package	Price* (1000-4999)
Sort parameter										
ADIS16060	Wide Bandwidth Digital Output Gyro	+/- 80 °/s	0.0122 °/s/LSB	1	0.04	4.75 to 5.25	6.5mA	-40 to 105°C	8mm x 8mm LGA	$35.37
ADIS16080	Digital Output Gyro	+/- 80 °/s	0.098 °/s/LSB	0.04	0.05	4.75 to 5.25	7mA	-40 to 85	8mm x 8mm LGA	$35.37
ADIS16100	Digital Output Gyro	+/-300 °/s	0.244 °/s/LSB	0.04	0.1	4.75 to 5.25	7mA	-40 to 85	8mm x 8mm LGA	$35.37
ADIS16120	Low Noise Gyro	+/ - 300 °/s	0.2 °/s/mV	0.32	0.015	4.75 to 5.25	95mA	-40 to 85	36 mm x 42 mm Mod	$636.55
ADIS16130	Digital Output High Precision Gyro	+/- 250 °/s	0.000042 °/s/LSB	0.3	0.0125	4.75 to 5.25	73mA	-40 to 85°C	36 mm x 44 mm Mod	$504.99
ADIS16250	Programable Gyro	+/- 80 to +/-	0.0183 °/s/LSB	0.05	0.05	4.75 to 5.25	44mA	-40 to 85	11.1 mm x 11.1mm	$42.48

Please scroll down to see more data.

* The pricing listed here is provided only for budgetary purposes as recommended list price in U.S. Dollars in the United States ex factor per unit for the stated volume. Pricing displayed for Evaluation Boards and Kits is based on 1-piece pricing.

** Pricing is currently unavailable. Click on the product number to see the Product Page for additional information.