

As a MEMS pioneer, Analog Devices has held a leadership position as a large volume supplier of integrated MEMS accelerometers and gyroscopes. The ADXL products are the foundation for Analog Devices' accelerometer family. Available in low-g or high-g sensing ranges iMEMS (Integrated Micro Electro Mechanical

System) accelerometers are used to measure position, motion, tilt, shock, and vibration in a broad array of applications. Analog Devices offer a broad accelerometer portfolio, including high performance, low power consumption and small size.

Description	G Range	Axes	Sensitivity	Bandwidth	Voltage	Supply Current	Package	Digi-Key Part No.	Price Each			Tape and Reel	
									1	25	100	Qty.	Pricing
Single Axis Accelerometers — RoHS Compliant													
Low Power, High Precision	±1.5g	X	1000mV/g	10Hz	3 – 6	0.7mA	8-CLCC	ADXL103CE-ND	11.62	10.47	9.28	—	—
Low Power, ADXL78	±35g		55mV/g	400Hz	5	1.3mA	8-CLCC	AD22279-A-R2CT-ND‡	8.57	7.71	6.84	250	1638.40
Low Power, ADXL78	±50g		38mV/g	400Hz	5	1.3mA	8-CLCC	AD22280-R2CT-ND‡	8.57	7.71	6.84	250	1638.40
Low Power, ADXL78	±70g		27mV/g	400Hz	5	1.3mA	8-CLCC	AD22281-R2CT-ND‡	8.57	7.71	6.84	250	1638.40
Low Power, ADXL193	±120g		18mV/g	400Hz	5	1.5mA	8-CLCC	AD22282-A-R2CT-ND‡	9.42	8.49	7.53	250	1802.70
Low Power, ADXL193	±250g		8mV/g	400Hz	5	1.5mA	8-CLCC	AD22283-B-R2CT-ND‡	9.42	8.49	7.53	250	1802.70
Dual Axis Accelerometers — RoHS Compliant													
Low Power, Digital Output	±2g	X, Y	12.5%/g	6kHz	2.7 – 5	0.5mA	8-LCC	ADXL202AE-ND*	12.83	11.98	11.12	—	—
Low Power, Digital Output	±2g		12.5%/g	6kHz	2.7 – 5	0.5mA	8-LCC	ADXL202JE-ND*	11.24	10.49	9.74	—	—
Low Power, High Precision	±1.5g		1000mV/g	10Hz	3 – 6	0.7mA	8-CLCC	ADXL203CE-ND	16.53	15.43	14.33	—	—
Low Power, Single IC Chip	±1.7g		620mV/g	2.5kHz	3 – 6	0.5mA	8-LCC	ADXL204CE-ND	16.53	15.43	14.33	—	—
Low Power, Digital Out	±1.2g	30%/g	60Hz	3 – 6	0.7mA	8-LCC	ADXL213AE-ND	12.83	11.98	11.12	—	—	
Low Power, Small, Thin	±5g	X, Y	174mV/g	2.5kHz	2.4 – 5.25	0.45mA	16-Lead LFCSP	ADXL320JCP-ND	6.12	5.52	4.89	—	—
Low Power	±18g		57mV/g	50Hz	2.4 – 6	0.49mA	16-LFCSP	ADXL321JCP-ND	6.12	5.52	4.89	—	—
Low Power	±2g		420mV/g	60Hz	2.4 – 6	0.45mA	16-LFCSP	ADXL322JCP-ND	6.12	5.52	4.89	—	—
Low Power, Small	±3g		300mV/g	1600Hz	1.8 – 5.25	320µA	16-LFCSP	ADXL323KCPZ-RLCT-ND‡	6.98	5.59	4.72	4,000	4330.16/M
Low Power, ADXL278	±35g		55mV/g	400Hz	5	2.2mA	8-CLCC	AD22284-A-R2CT-ND‡	11.58	10.81	10.04	250	2459.91
Low Power, ADXL278	±50g		38mV/g	400Hz	5	2.2mA	8-CLCC	AD22285-R2CT-ND‡	11.58	10.81	10.04	250	2459.91
Low Power, ADXL278	±70g	27mV/g	400Hz	5	2.2mA	8-CLCC	AD22286-R2CT-ND‡	11.58	10.81	10.04	250	2459.91	
Triple Axis Accelerometers — Low Power — RoHS Compliant													
Low Power, Small	±3g	X, Y, Z	300mV/g	1.6(X,Y) 0.55(Z)	2 – 3.6	0.2mA	16-LFCSP	ADXL330KCPZ-RLCT-ND‡	8.50	7.66	6.79	4,000	6201.10/M

‡ For Tape and Reel part number, change CT-ND to TR-ND. † Cut Tape * Not recommended for new design ◆ RoHS Compliant

iMEMS® Evaluation Boards

ADXL203EB-ND	Evaluation Board for ADXL203	23.66
ADXL204EB-ND	Evaluation Board for the ADXL204CE, Dual Axis Accelerometer	23.66
ADXL213EB-ND	Evaluation Board for ADXL213	23.66
ADXL321EB-ND	Evaluation Board for ADXL321	23.66
ADXL330Z-ND◆	Evaluation Board for ADXL330	50.39

◆ RoHS Compliant

ANALOG DEVICES **iSensor™ Intelligent Sensors**

iSensor ADIS Accelerometers/Gyros enhance ADXL/ADXRS iMEMS accelerometers with additional performance and functionality, such as embedded signal processing and control. These inertial sensors address special requirements such as calibration/tuning, application specific interfaces, digital I/O, wireless links, embedded intelligence and programmability, power management, and analog signal conditioning.

Description	Sensor Core	Output Type	Sensitivity	Temperature Sensor	Voltage Supply (V)	Supply Current (mA)	Temperature Range (°C)	Package (mm/type)	Digi-Key Part No.	Price Each		
										1	25	100
ADIS Accelerometers — RoHS Compliant												
±1.7g Accelerometer	Accelerometer	SPI	820 LSB/g	Yes	3 – 5.25	1.5 (typical)	-40 – 125	12 LGA	ADIS16003CCCZ-ND	23.97	22.38	20.78
±5g Accelerometer	Accelerometer	SPI	256 LSB/g	Yes	3 – 5.25	1.5 (typical)	-40 – 125	12 LGA	ADIS16006CCCZ-ND	23.97	22.38	20.78
Programmable, ±5g Accelerometer	Accelerometer/Ind.	SPI	2 LSB/mg(10LSB/°)	Yes	3 – 3.6	11 (5 in Standby)	-40 – 125	16 LGA	ADIS16201CCCZ-ND	31.91	29.79	27.66
Programmable, Single Axis Inclinometer	360° Inclinometer	SPI	0.025°/LSB	Yes	3 – 3.6	11 (5 in Standby)	-40 – 125	16 LGA	ADIS16203CCCZ-ND	31.91	29.79	27.66
Programmable, High-g Sensor/Recorder	Accel./Impact Sensor	SPI	±70g; ±37g	Yes	3 – 3.6	12 (5 in Standby)	-40 – 105	16 LGA	ADIS16204BCCZ-ND	27.50	25.67	23.84
Digital Dual Axis Accel./Inclinometer	Accel./Inclinometer	SPI	0.025°/LSB	Yes	3 – 3.6	14	-40 – 125	16 LGA	ADIS16209CCCZ-ND	46.17	43.09	40.01

iSensor™ Evaluation Boards

ADIS16003/PCBZ-ND◆	Evaluation Board for the ADIS16003, ±1.7g, Dual Axis Accelerometer	75.00
ADIS16006/PCBZ-ND◆	Evaluation Board for ADIS16006/PCB	75.00
ADIS16060/PCBZ-ND◆	Evaluation Board for ADIS16060	75.00
ADIS16080/PCBZ-ND◆	Evaluation Board for ADIS16080	75.00
ADIS16100/PCB-ND	Evaluation Board for the ADIS16100, ±300°/Sec. Yaw Rate Gyro	75.00
ADIS16120/PCB-ND	Evaluation Board for the ADIS16120	980.10
ADIS16201/PCBZ-ND◆	Evaluation Board for the ADIS16201, Programmable, Dual-Axis Inclinometer/Accelerometer	75.00
ADIS16203/PCBZ-ND◆	Evaluation Board for the ADIS16203	75.00
ADIS16204/PCBZ-ND◆	Evaluation Board for ADIS16204/PCB	75.00
ADIS16209/PCBZ-ND◆	Evaluation Board for ADIS16209	75.00
ADIS16250/PCBZ-ND◆	Evaluation Board for the ADIS16250	75.00
ADIS16251/PCBZ-ND◆	Evaluation Board for ADIS16251	75.00
ADIS16255/PCBZ-ND◆	Evaluation Board for the ADIS16255	75.00
ADIS16350/EVALZ-ND◆	Tri Axis Inertial Sensor Evaluation Kit	475.27
ADIS16354/EVALZ-ND◆	Tri Axis Inertial Sensor Evaluation Kit	577.76
ADIS16354/PCBZ-ND◆	Evaluation Board for ADIS16354	447.44
ADIS16355/PCBZ-ND◆	Evaluation Board for ADIS16355	489.51
ADISEVALZ-ND◆	iSensor PC Evaluation System	232.91

◆ RoHS Compliant

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

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