

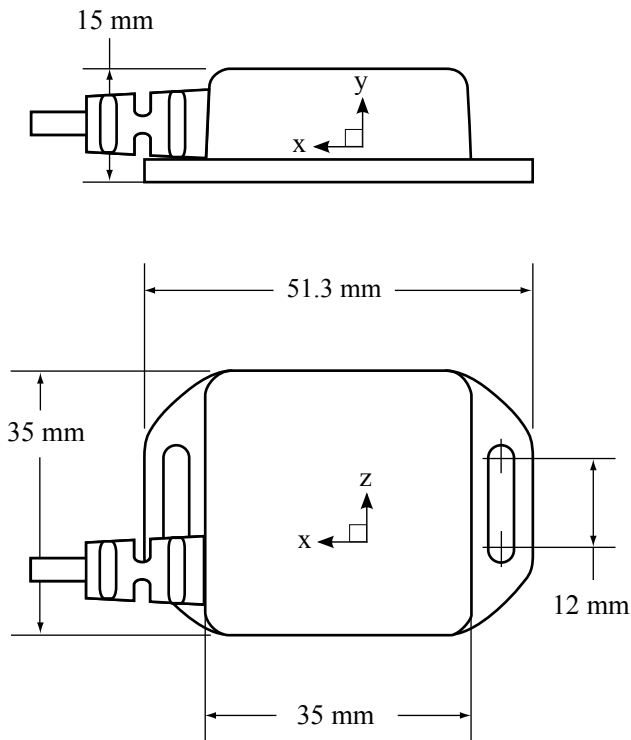
MotionNode Accel Specification



MotionNode Accel is a triaxial accelerometer for use in low-*g* acceleration sensing applications. Our sensor is extremely small, easy to use, and provides a flexible interface to real-time acceleration data.

Key Features

- Small size, minimizes interference with natural motion
- Outputs 2 *g* or 6 *g* range in all three axes
- Accurate, general purpose accelerometer solution
- Simple USB connection
- Easy to use and integrate into your project or application
- Includes software to configure your sensor, preview output data, and record acceleration data
- Software Development Kit (SDK) provides real-time access to raw and calibrated sensor streams
- Supports Windows, Linux, and Mac operating systems



Technical

Physical size	35 x 35 x 15 mm 51 mm with flanges
Weight	10 grams
Enclosure	ABS plastic
Interface	USB, Standard-A connector
Cable length	6 feet
Power requirement	Powered by USB host
Components	Surface mount MEMS sensor design for high accuracy and compact form
Operating temperature	0 to 50 °Celsius
Sampling rate	100 Hz
Range/Sensitivity	$\pm 2 g$ or $\pm 6 g$ (user selectable)
Resolution	$190 \mu g \pm 5\%$ (at 2 <i>g</i> range)
Noise density	$50 \mu g/\sqrt{Hz}$ (at 2 <i>g</i> range)
