

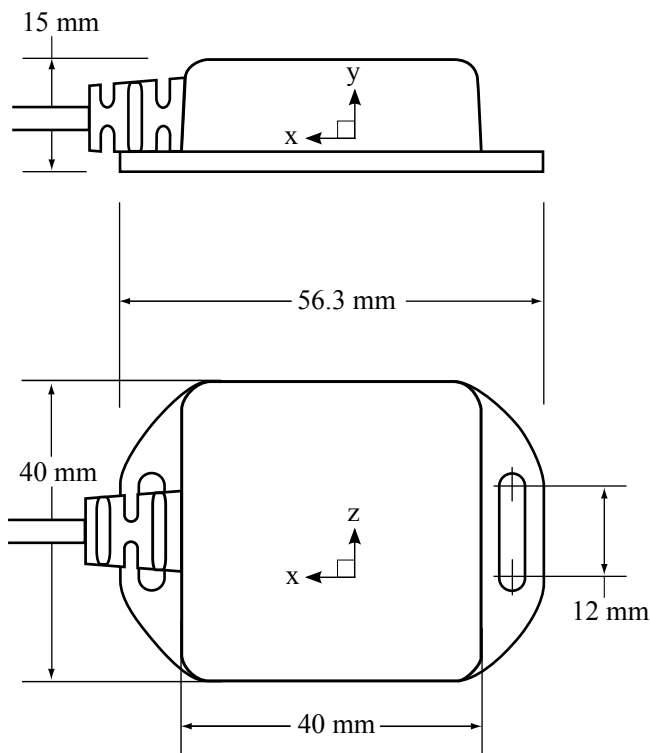
# MotionNode Accel Specification



**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 PC 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

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<b>Physical size</b>	40 mm x 40 mm x 15 mm (no flanges) 56 mm x 40 mm x 15 mm (with flanges)
<b>Weight</b>	14 grams
<b>Enclosure</b>	ABS plastic
<b>Interface</b>	USB, Standard-A connector
<b>Cable length</b>	6 feet
<b>Power requirement</b>	Powered by USB host
<b>Components</b>	Surface mount MEMS sensor design for high accuracy and compact form
<b>Operating temperature</b>	0 to 50 °Celsius
<b>Sampling rate</b>	50 to 100 Hz, by 10 Hz
<b>Range/Sensitivity</b>	± 2 <i>g</i> or ± 6 <i>g</i> (user selectable)
<b>Resolution</b>	0.001 <i>g</i> ± 10% (at 2 <i>g</i> range)
<b>Noise density</b>	0.00005 <i>g</i> /√Hz (at 2 <i>g</i> range)

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