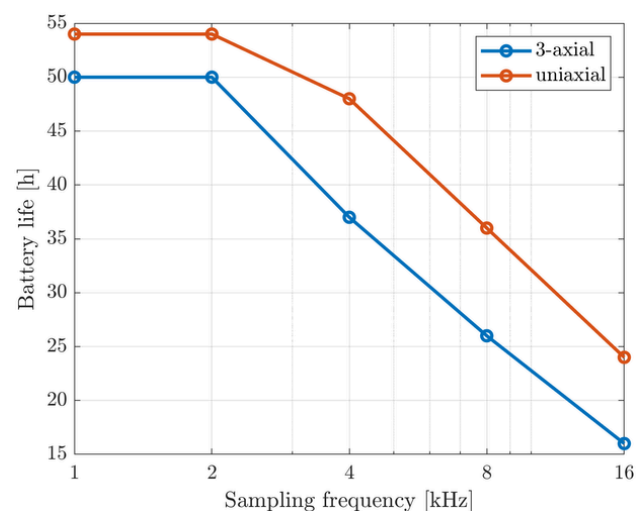# FORCEBIT
SENSOR
SOLUTIONS

DOT

Wireless 3-axial accelerometer measuring linear acceleration

Discover the Advantages of Our Advanced Sensor:

Our sensor features cutting-edge **MEMS technology**, ensuring a highly accurate flat frequency response from 0 to 4 kHz. With its **wireless, rechargeable** design and effortless **plug-and-play installation**, setting it up is a breeze. The built-in sleep mode enhances energy efficiency, extending its operational time.

Thanks to its **compact size and cable-free design**, the sensor is minimally intrusive and can be easily deployed in any environment. Enjoy **real-time data streaming** for fast and reliable results, even with high data throughput. Seamless integration with existing analysis tools allows you to **monitor up to six sensors simultaneously**.

Our acquisition software is included for free with the purchase of our sensors and operates without the need for an internet connection, making it perfect for any environment.

Resolution	16-bit @ 70 ug/√Hz	**Data format**	.csv
Range	2 g, 4 g, 8 g, 16 g	**Operating temperature**	-40ºC to 60ºC
Bandwidth	0 - 4 kHz	**Dimensions/weight**	10 x 20 x 30 mm³/9.5g
Sampling rate	up to 16 kHz	**Autonomy (rechargeable)**	34 hours @ 4 kHz
synchronicity	10 micro-seconds	**Aggregated sample rate**	48 kHz