



## S02 - VERSASENSE ACCELEROMETER

### PRODUCT DESCRIPTION

The VersaSense Accelerometer (**S02**) provides, in its default configuration, acceleration in three dimensions along with the detection of impact events, such as a finger tap. The accelerometer operates at extreme low power enabling multi-year battery lifetimes.

### VERSASENSE SENSORS

VersaSense Sensors are self-identifying sensors and actuators that connect to VersaSense Wireless Devices to provide plug-and-play sensing and control.

The VersaSense software automatically installs and configures all drivers, eliminating the cost and complexity of deploying an IoT network.

**Note:** only one peripheral of this type may be connected to a VersaSense Wireless Device.

### APPLICATIONS

Monitor the orientation of machinery to which the accelerometer peripheral is attached, detect collisions and detect button taps for human input.

### CORE COMPONENTS

The **S02** is based on the LSM6DS3 from STMicroelectronics™, for more information please visit:

[LSM6DS3.pdf](#)

### S02 CHARACTERISTICS

Characteristic	Value	Unit
Ave. Current Consumption	60	μA
Linear Acceleration Min/Max	2	g
Linear Acceleration Accuracy	1	%
Min/Max period between updates	10 / 86400	s

### RELATED PRODUCTS

Item **S02** requires a VersaSense Wireless Device such as **Pxx** or **Lxx**. This item is compatible with all items in the VersaSense catalog:

[VersaSense-Catalog.pdf](#)

### INFORMATION/SUPPORT

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