

SVT400-A is an ultra-low power wireless vibration and temperature sensor with advanced features. The sensor is super compact, lightweight, easy to install and easy to use. SVT400-A can monitor machine condition in real time or by schedules, which is ideal for predictive maintenance. SVT400-A has adjustable sampling rate up to 25.6kHz with wide bandwidth. Its range is also adjustable. Multiple SVT400-As can be divided into different groups for multi-area monitoring.

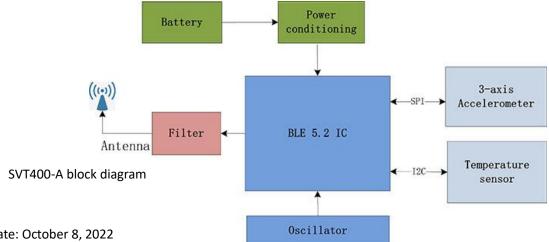
Attention: SVT400-A requires to be used with Broadsens's wireless gateways (sold separately)





Wireless vibration & temperature sensor SVT400-A

6g, ±32g, ±64g adjustable 00Hz, 200Hz,400Hz,800Hz,1.6kHz,3.2kHz,6.4kHz, z, 25.6kHz adjustable £8g:0.24mg/bit; ±64g:1.95mg/bit of full scale RMS; 300ug/ √Hz density ne, synchronized real time, batch mode & synchronized
z, 25.6kHz adjustable ±8g:0.24mg/bit; ±64g:1.95mg/bit of full scale RMS; 300ug/ √ Hz density
±8g:0.24mg/bit; ±64g:1.95mg/bit of full scale RMS; 300ug/ √ Hz density
of full scale RMS; 300ug/ √ Hz density
RMS; 300ug/ √ Hz density
<u> </u>
ne, synchronized real time, batch mode & synchronized
node; single DAQ; synchronized single DAQ, multi DAQ
5 °C (-40 – 185 Fahrenheit)
5°C: ±0.3 °C; -40 to -25°C: ±0.4 °C without calibration
n active in real-time mode
uA; real-time sampling & transmission at 50Hz <200uA
replaceable battery, 1200mAh capacity. Can last up to 5
depending on the frequency of usage and environment)
proprietary
C833M/4100A-BC833M
00m (900 ft) in open space, line of sight
er:34mm (1.34 inch); height:31mm (1.22 inch)
ed aluminum alloy 6061: 53 g (1.87oz)
screw mount (M6); stud mount (M8 to M6); magnet mount
g temperature: -40 - 85 °C; storage: -55 - 85 °C;
roof: IP68



Revision date: October 8, 2022

Advantages of SVT400-A



Thanks to its unique low-power design, SVT400-A can work for up to 5 years before replacing the battery (depending on the frequency of usage and environment). SVT400-A is easy to install and configure. SVT400-A can work under harsh environment. It has a secure boot loader for improved security. It supports OTA (Over the Air) firmware upgrade. SVT400-A has seven working modes: real time mode, synchronized real-time mode, batch mode, synchronized batch mode, single DAQ and synchronized single DAQ, multi DAQ.

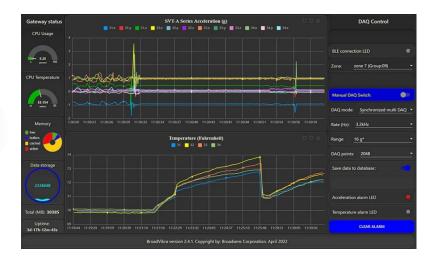
- . Real-time mode: when sensor wakes up, it starts data acquisition and transmission immediately.
- . Batch mode: When sensor wakes up, it takes a fixed amount of data at the given sample rate and transmit the data together to the gateway, and then repeat the process.
- . Single DAQ: When sensor wakes up, it takes a fixed amount of data at the given sample rate and transmit the data to the gateway for one time only. The sampling rate is guaranteed and is ideal for frequency domain analysis.
- . Synchronized mode: Synchronized mode can be combined with real-time mode, batch mode or single DAQ. After waking up, the sensors in the same group start taking data and transmission at the same time.
- . Multi DAQ: Continuous run of single DAQ mode. Great for frequency domain analysis with no point or time limit.

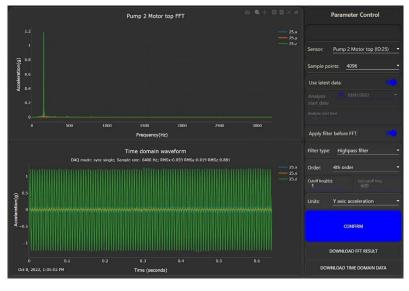
 The compact size and light weight of SVT400-A improve the accuracy of vibration monitoring.

Monitoring Software

BroadVibra Vibration monitoring software at the gateway is based on open-source architecture. It can be accessed with all major web browsers.

Database is also included





Software advantages

- . Real-time monitoring
- . Intuitive data visualization
- . Alarm & threshold setup
- . Scheduled data acquisition
- . Time-series database
- . Key parameters trend charts
- . FFT analysis
- . Advanced filtering
- . OTA firmware upgrade
- . Open source
- . Secure transmission

"Broadsens, sense the broader world"

Website: www.broadsens.com
Sales: sales@broadsens.com
Support: support@broadsens.com

USA Headquarter

. 1601 McCarthy Blvd, Milpitas, CA, 95035

China Offices

- . 1707-A066, No.9 North Fourth Ring West Rd, Beijing
- . Rm 803, No.152, Huixin Rd, Nanhu District, Jiaxing