



SVT200-T is an ultra-low power wireless high temperature sensor designed for machine condition monitoring. The miniature sensor measures contact surface temperature, works in wide temperature range, and have more than 10-year battery life, thanks to the innovative design from Broadsens. The sensor is rated IP68 and can survive harsh environments.

SVT200-T measures temperature and sends out the result every 15 seconds, which has the fastest temperature update intervals among wireless sensors in the industry.

Multiple SVT200-T can be used to provide temperature monitoring in multiple locations. SVT200-T wireless temperature sensor should used with Broadsens’s wireless gateway, or can be integrated with other standard Bluetooth low energy gateways.



Parameters	Description
Temperature measurement range	-40 - 105 °C (-40 – 221 degree Fahrenheit)
Temperature measurement accuracy	±0.3 °C without calibration from -25 - 85°C. ±0.4 °C in full range
Temperature measurement period	Every 15 seconds (0.25 minute)
Power consumption	Average current: 4uA including measurement & transmission
Power supply	CR2450W wide temperature range battery. Automotive grade. Lasts more than 10 years
Wireless protocol	BLE 5.0 at 2.4GHz
FCC ID	X8WBC833M
Wireless distance	100m (300ft) in open space, line of sight
Size	39mm (1.53 in) diameter; 14mm (0.55 in) height
Weight	28 g including battery (1 oz)
Installation	Epoxy mount
Working environment	Temperature: -40 - 105 °C (-58 – 221 degree Fahrenheit); water and dust protection: IP68

## Monitoring Software

Monitoring software at the wireless gateway is based on Node.js open-source architecture. It is web-based and can be accessed with all major browsers.



**“Broadsens, sense the broader world”**

**Website:** [www.broadsens.com](http://www.broadsens.com)

**Sales:** [sales@broadsens.com](mailto:sales@broadsens.com)

**Support:** [support@broadsens.com](mailto:support@broadsens.com)

**USA Headquarter**

. 100 S Murphy Ave Ste 200, Sunnyvale, CA, 94086

**China Offices**

. Rm 803, No.152, Huixin Rd, Nanhu District, Jiaxing