



SVT200-T is an ultra-low power wireless high temperature sensor designed for dynamic temperature measurements. 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 (measurement interval customizable), 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 (customizable from 1s to 1 minute)
Power consumption	Average current: 4uA including measurement & transmission
Power supply (battery)	CR2450W wide temperature range battery. Automotive grade. Lasts more than 10 years
Wireless protocol	BLE 5.2 at 2.4GHz
FCC/IC ID	X8WBC833M/4100A-BC833M
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 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.



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