

SiVin
Sigfox Vineyard Sensor

We protect your crops

A smart weather station intended for vineyards, orchards, hop gardens, gardens, and other agricultural areas with a connection to the wireless SIGFOX global network for Internet of Things (IoT).



Wine is about pleasure, passion and experience – compensated by hard work and constant concerns. We support your experience and also thanks to it we can help you where necessary. The SiVin weather station will relieve you from concerns and reduce the costs connected with wine growing. It is exactly where you cannot be in your vineyard at the moment.

How SiVin can help you:

- It saves your time spent in your vineyard
- You have information about critical conditions right in your mobile every day
- It increases your crop yields and saves your costs
- It protects and cares for your crop
- It warns you of adverse weather conditions (rain or frost)
- It helps you organize your working day better and more effectively

BETACONTROL

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SiVin

Sigfox Vineyard Sensor

This sensor measures temperatures, relative humidity and rainfalls in vineyards. The radiation cover of a sensor is placed at the height of bunches so that the sensors can measure the microclimate present that has effect on bunches themselves. This enables to predict the probability of diseases affecting the crop. A data package with the measured quantities is sent to a server using the wireless SIGFOX technology regularly at 30- or 10-minute intervals.

WINE SENSOR COMMUNICATION USING THE SIGFOX NETWORK



T-MOBILE IOT PORTAL

SECURE IP CONNECTION

SIGFOX CLOUD

SIGFOX GATEWAY

EMAIL
VOICE CALLING
SMS
REMOTE MONITORING



Key properties:

- Measurement of a temperature
- Measurement of relative humidity
- Measurement of rainfalls
- Measurement of the battery voltage
- Fault conditions – acoustic signalling
- Two-year battery life (depending on the interval of sending)
- Sabotage watching

Main benefits:

- Wireless connection
- No payment of a SIM card for GSM and need to ensure an internet connection
- Easy to put into operation – activate and register the sensor only
- Data saved to the cloud storage every 30 minutes
- A web portal with a well-arranged course of the measured values
- Reliable messages concerning problems if any (an SMS and an e-mail)
- Simple design; no cables or probes
- The battery lasts for the whole season
- Signal coverage all over the Europe and other parts of the world

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