Skyz API Documentation

If you have any questions in using the API, don't hesitate to contact support@skyz.be with any questions you might have!

Obtaining an API Token

To get your API token/key, you must have an account and navigate to the API-Tokens page. If you own weather stations, you can read those out without having to do anything.

By default you can only read out your own weather stations.

If you want to read out stations from other users you can contact support@skyz.be and describe what you want to do with the API. We will then grant you access to either all stations, or the stations that are relevant for your project. In that case you will also be required to add attribution to Skyz. Individual owners can always disable API-access for their weather station.

Rate limits

There is a rate limit of 1 request per second. This should be more than enough for all users. If you hit the rate limit you will get a HTTP 429 status code. Please throttle your request accordingly.

Tip: we send cache-control headers, so you can use https://pypi.org/project/requests-cache/.

Weatherstation API endpoints

Listing weather stations

Endpoint: https://skyz.be/api/v2/weatherstations/?key=<api_key>

The response is a list of all active weather stations, with per station the following fields:

name	The stations Name
latitude	The stations latitude
longitude	The stations Longitude
country	The 2-letter country code
id	The station id (slug format)
active	True if the station has provided data in the last 2 hours

Getting latest data for a weather station

Endpoint: https://skyz.be/api/v2/weatherstations/<slug>/?key=<api-key>

The response is the latest observation + today's extremes:
Note that these observations include observations which have not passed data quality checks

metadata	name	The stations name
	latitude	The stations Latitude
	longitude	The stations Longitude
	country	The 2-letter country code
	id	The stations id (slug format)
	active	True if the station has provided data in the last 2 hours
Observation	datetime	The date and time of the observation (YYYY-MM-DD HH:MM:SS)
	temperature	Temperature in °C
	dewpoint	Dewpoint in °C
	humidity	Humidity in %
	windspeed	Wind speed in km/h
	winddirection	Wind direction in °
	pressure	Barometric pressure in hPa
	precipitation	Daily precipitation sum (mm)
	precipitation_rate	Precipitation rate (mm/hr)
	uv	The UV Index
	Solar	The solar radiation (w/m^2)
Extremes	temperature_max	Maximum temperature
	temperature_max_time	Time (HH:MM:SS) of the maximum temperature)
	temperature_min	Minimum temperature
	temperature_min_time	Time (HH:MM:SS) of the minimum temperature
	windspeed_max	Maximum windspeed
	windspeed_max_time	Time (HH:MM:SS) of the maximum windspeed
	precipitation_rate_max	Maximum precipitation rate
	precipitation_rate_max_time	Time (HH:MM:SS) of the maximum precipitation rate

Getting historical data (extremes) for a weather station

Endpoint:
https://skyz.be/api/v2/weatherstations/<slug>/<yyyy-mm-dd>/?key=<api-key>

This endpoint returns the extremes for a given day in history.

Note that these observations include observations which have not passed data quality checks

metadata	name	The stations name
	latitude	The stations Latitude
	longitude	The stations Longitude
	country	The 2-letter country code
	id	The stations id (slug format)
	active	True if the station has provided data in the last 2 hours
Extremes	temperature_max	Maximum temperature
	temperature_max_time	Time (HH:MM:SS) of the maximum temperature)
	temperature_min	Minimum temperature
	temperature_min_time	Time (HH:MM:SS) of the minimum temperature
	windspeed_max	Maximum windspeed
	windspeed_max_time	Time (HH:MM:SS) of the maximum windspeed
	precipitation_rate_max	Maximum precipitation rate
	Precipitation_rate_max_time	Time (HH:MM:SS) of the maximum precipitation rate
	precipitation_total	Total precipitation