

# Point Spectrometers

- 2x Red Tide USB 650 (350 - 1000nm)
- 1x Flame S (200 - 1000nm)
- 1x Flame NIR (950 - 1650nm)

## Calibration

29.09.2022 - All spectrometers have been radiometrically calibrated using calibrated halogen and deuterium light sources at Ocean Insight in Duiven, NL.

The calibration files can be found here:

## Software

### Ocean View GUI

Ocean View is the main software provided by Ocean Insight to communicate with the spectrometers. Our license includes two seats and the key can be found on the inner side of the spectrometer drawer in the IOT Lab.

Download: <https://www.oceaninsight.com/support/software-downloads/oceanview-2-0-downloads/>

If the online activation of the software is not working here is a guide on how to do the activation offline:

<https://www.oceaninsight.com/support/software-downloads/oceanview-software-downloads/oceanview-offline-activation/>

### Pyseabreeze Python Package

Github: <https://github.com/ap--/python-seabreeze>

Docs: [https://python-seabreeze.readthedocs.io/en/latest/backend\\_api.html](https://python-seabreeze.readthedocs.io/en/latest/backend_api.html)



The Flame spectrometers can't be used with Pyseabreeze due to some firmware limitations on the spectrometers.

Last update: 2023/01/05  
14:38

eolab:spectrometer:start <https://student-wiki.eolab.de/doku.php?id=eolab:spectrometer:start&rev=1664543235>

From:  
<https://student-wiki.eolab.de/> - **HSRW EOLab Students Wiki**

Permanent link:  
<https://student-wiki.eolab.de/doku.php?id=eolab:spectrometer:start&rev=1664543235>

Last update: **2023/01/05 14:38**

