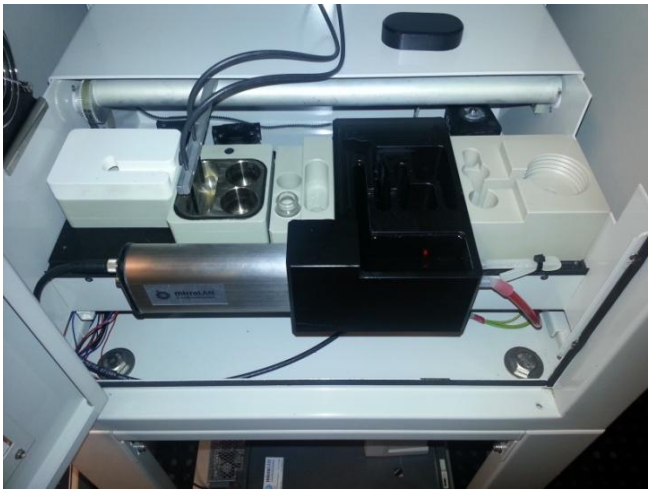
# iTOXcontrol

## ALGcontrol- option

### On-line Algae Sensor

With the development of the ALGcontrol microLAN adds a new technique to the existing iTOXcontrol. This technique is capable to identify classes of algae and to convert fluorescent values into chlorophyll-a concentrations.

The ALGcontrol for algae differentiation uses 7 LEDs for fluorescence excitation. The LEDs emit light at 7 selected wavelengths.



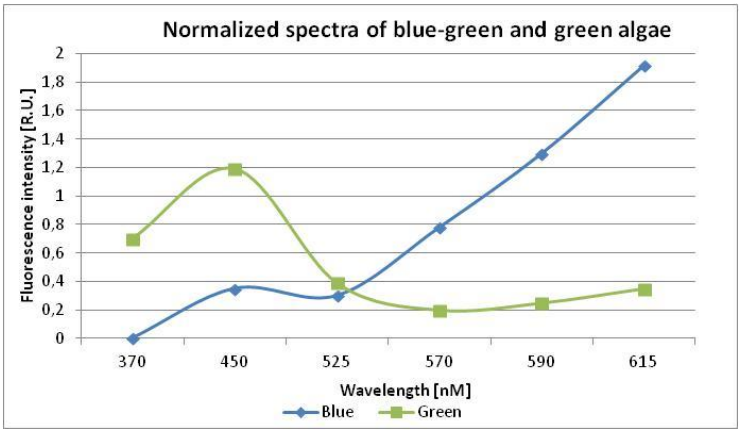
**Measurable components:**

| | |
|---|---|
| DOM (Dissolved Organic Matter) | mg/l |
| Total chlorophyll | µg/l |
| Cyano chlorophyll | µg/l |
| Turbidity | NTU |


The turbidity and DOM are detected to enhance the accuracy. They will be used to correct the increase or decrease of the signal caused by the presence of DOM and/or turbidity.

**Specifications :**

| | |
|---|---|
| Wavelengths: | 365, 450, 525, 570, 590, 610, 710 nm |
| Range : | 0-200 µg chl-a/l |
| Turbidity: | 0-200 NTU |
| Transmission : | 0-100 % |
| Sample temp. : | 0-30 °C |

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