



Chlorophyll a Sensor

Chlorophyll a :

Hydrolab provides the most accurate Chlorophyll a sensor available on a multiprobe.

Features:

- Utilize Fluorescent measuring principle, excitation wavelength 460 nm, emission wavelength 685 nm
- The Optical Standard can be adjusted to correlate to a known Chlorophyll concentration, enable it calibrate the Chloroph sensor in the field, thus the calibration don't need Chlorophyll standard solution or other consumables, furthermore all the Hydrolab sensors can be maintained and calibrated at the monitoring site, the monitoring won't be interrupted
- Three auto-selected gain ranges provide a wide measurement range of 0 to 500 µg/l for Chlorophyll a



Benefits:

- Provides the most accurate measurement of Chlorophyll a because of electronic filtration of ambient light, efficient optical coupling, and qualified optical components
- Incredibly fast response time through electronic filtration of ambient light
- Excellent turbidity rejection due to small sample volume design and high quality optical filters
- The material of of sensor shaft is made of SUS 316 even Titanium for corrosion resistance

Optical Characteristics:

Light Source:	Fluorescent
Detector:	Photodiode
Excitation Wavelength:	Chl 460 nm
Emission Wavelength:	Chl 685 nm

Specifications:

Measuring Range:	Low sensitivity: 0-500 µg/L Med. Sensitivity: 0-50 µg/L High sensitivity: 0-5 µg/L
Accuracy:	+/- 3%
Resolution:	0.01 µg/L

This sensor available on These sondes:

Hydrolab DS5X
Hydrolab DS5
Hydrolab MS5

