

## Total Algae Sensors

CHLOROPHYLL AND PHYCOBILIN DETECTION



IS YOUR
BEST DEFENSE

## Harmful algal blooms are more frequent and more intense than ever before.

HABs are a threat to public health, the environment, and economies worldwide. YSI's **Total Algae Sensors** are for early detection, enabling rapid response and management.

## Our dual-channel sensor can help you to:



Take action as early as possible for mitigating HAB impacts



Plan a rational approach for sample collection, saving time and money



Understand the seasonal and weather-related patterns in your system

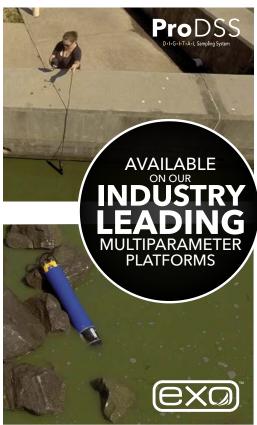


Understand the relevance of other parameters like pH, DO, and temperature



## **Total Algae Sensors**





Total Algae Sensor Specifications			
Chlorophyll (all sensors)	Range Accuracy Resolution	0 to 100 RFU or 0 to 400 $\mu$ g/L chl Linearity: $r^2 \ge 0.999$ for Rhodamine WT across full range 0.01 RFU or 0.01 $\mu$ g/L chl	
Phycocyanin (TAL-PC sensors)	Range Accuracy Resolution	0 to 100 RFU or 0 to 100 $\mu$ g/L PC Linearity: $r^2 \ge 0.999$ for Rhodamine WT across full range 0.01 RFU or 0.01 $\mu$ g/L PC	
Phycoerythrin (TAL-PE sensors)	Range Accuracy Resolution	0 to 100 RFU or 0 to 280 $\mu$ g/L PE Linearity: $r^2 \ge 0.999$ for Rhodamine WT across full range 0.01 RFU or 0.01 $\mu$ g/L PE	
Additional Specifications			
Operating Temperature	-5 to 50°C		
Storage Temperature	-20 to 80°C		
Depth Rating	100 m (ProDSS), 250 m (EXO)		
Warranty	2 years		
Compatible With	ProDSS, EXO		
Ordering Information (order items separately)			
626210	Total Algae-Phycocyanin (TAL-PC) for ProDSS		YSI.com/Pro/TALPC
626211	Total Algae-Phycoerythrin (TAL-PE) for ProDSS YSI.com/Pro/TALPE		
599102-01	Total Algae-Phycocyanin (TAL-PC) for EXO YSI.com/EXO/TALPC		
599103-01	Total Algae-Phycoerythrin (TAL-PE) for EXO		YSI.com/EXO/TALPE



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