Total Algae Sensors

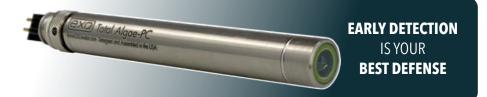
SPECIFICATIONS #O100

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



HABs are now seen as a public threat, and water managers need reliable tools for monitoring.

YSI's **Total Algae Sensors** are the most sensitive tools available, helping you to monitor, mitigate, and manage the impacts of harmful algal blooms.



Our dual-channel sensor can help you to:



Detect the onset of an algae bloom as early as possible to plan your response



Support a rational approach for the collection of samples for other laboratory analyses, saving you time and money



Understand the seasonal and weather-related patterns of algae growth in your system



Understand the relevance of other parameters like pH, dissolved oxygen, and temperature

TAL-PE sensors detect chlorophyll and **phycoerythrin**, and are ideal for monitoring **marine** cyanobacteria



TAL-PC sensors detect chlorophyll and **phycocyanin**, and are ideal for monitoring **freshwater** cyanobacteria

Total Algae Sensor Specifications

Chlorophyll (all sensors)	Range Accuracy Resolution	0 to 100 RFU or 0 to 400 μg/L chl Linearity: $r^2 ≥ 0.999$ for Rhodamine WT across full range 0.01 RFU or 0.01 μg/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 μ g/L PE Linearity: r ² \ge 0.999 for Rhodamine WT across full range 0.01 RFU or 0.01 μ 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	
626211	Total Algae-Phycoerythrin (TAL-PE) for ProDSS	

Total Algae-Phycocyanin (TAL-PC) for EXO Total Algae-Phycoerythrin (TAL-PE) for EXO





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Specifications are subject to change. Please visit YSI.com to verify all specs. © 2018 YSI, a Xylem brand