

WET Labs introduces the new CYCLE-PO₄ in-situ dissolved phosphate analyzer.

Designed for unattended long term moored operations, the CYCLE-PO₄ is the first of WET Lab's line of single-analyte chemical sensors. The CYCLE line combines precision micro-fluidics with state-of-the-art optics to provide unparalleled precision and accuracy in operational in-situ monitoring of nutrients.

Designed for long-term use, the CYCLE-PO₄ features:

- Reagent cartridges
- On-board spike calibration
- Calibration scheduling
- Nanomolar resolution
- Easy-to-use software
- Titanium optical cell
- Over 1000 samples
- Deployments more than three months
- Smart sampling minimizes power consumption
- Calibrated output



Specifications

Mechanical		Optical	
<i>Height (w/handle)</i>	56 cm	<i>LED wavelength</i>	870 nm
<i>Width</i>	18 cm	<i>Pathlength</i>	5 cm
<i>Weight in air</i>	6.8 kg (w/reagents)	<i>Linearity</i>	≥ 95% R ²
Electrical		Chemical	
<i>Input</i>	9.5–18 VDC 2.0 A max	<i>Precision</i>	50 nM
<i>Current draw</i>	125 mA avg	<i>Dynamic range</i>	0 –10 μM
<i>Serial output</i>	RS-232	<i>Reagent capacity</i>	> 1000 samples
<i>Connector</i>	MCBH-6-MP		
<i>Sample rate</i>	2 per hour		
<i>Data memory</i>	1 GB		

Specifications are subject to change without notice.