



Phosphax sc LR Phosphate analyser, 0.015-2 mg/L PO₄-P, outdoor, 1-channel, 115-230 VAC

Product #:

LXV422.99.33001 **Hazardous**

AED Price:

Contact Hach



High accuracy and stability in low range measurement

High levels of nutrients in water can cause eutrophication, resulting in less oxygen for the plants and animals under water. The Phosphax sc LR, based on the proprietary SC platform and featuring a new yellow method is the latest offering in the Hach Phosphax sc range that helps solve this environmental issue and ensure compliance. The new built-in photometer and the split-reagent dosing chemistry enable higher accuracy and stability in the low measurement ranges (0.015 - 2 mg/L PO₄-P) that helps you make informed decisions about process management and stay on top of the upcoming strict regulations around Total P discharge. The analyser comes in both indoor and outdoor version for versatile usage and is primarily suited for aeration basin applications to measure Ortho-Phosphate in low ranges. The instrument can also be used as a Hach RTC-P system to control the dosing to enable you to comply with the Total Phosphorous discharge limit at the WW outlet. If you were previously over-dosing or under-dosing due to low confidence in Ortho-Phosphate values, Phosphax sc LR ensures you measure the right quantities of Ortho-P in your system for a low cost operation while staying compliant.

This instrument connects to Claros, Hach's innovative Water Intelligence System, enabling you to seamlessly connect and manage instruments, data, and process – anywhere, anytime. The result is greater confidence in your data and improved efficiency in your operations. To unlock the full potential of Claros, insist on Claros Enabled instruments.

Confidence in low range measurement values

The Phosphax sc LR features a new photometer with glass cuvette that results in high stability in low range measurement giving you confidence in your measurement values.

Ensure compliance and lower plant-operating costs

The Phosphax sc LR features a new yellow method with split-reagent dosing, and a new photometer with twice the path length of the Phosphax sc. These features result in high accuracy in low range measurement that help you do just enough treatment to stay compliant and lower plant operating costs at the same time.

Generate actionable insights from measurement data

The Phosphax sc LR is Claros enabled so you can leverage the Hach Water Intelligence System to collect, manage and analyse data from your instrument.

Specifications

Accuracy:	Using standard solutions: 2 % + 0.015 mg/L
Cable length:	2 m from edge of enclosure
Channels:	1
Data types:	SC standard
Detection limit:	Using standard solutions: 0.015 mg/L
Dimensions (H x W x D):	720 mm x 540 mm x 390 mm
Enclosure waterproof rating:	IP55

Flow:	1.0 - 20.0 L/h
Housing type:	Outdoor
Indoor/Outdoor:	Outdoor
Material:	ASA/PC UV-resistant
Measurement method:	Two-beam photometer (yellow method)
Measuring interval:	10 - 120 min
Measuring range:	0.015 - 2 mg/L PO ₄ -P
Operating temperature range:	-20 - 40 °C, 95 % relative humidity (non-condensing, non-corrosive)
Output:	Relay, analogue outputs, network interface through SC controller
Parameter:	Ortho-Phosphate
Permissible Chloride range:	Max Cl ⁻ concentration: 5000 mg/L
pH Range:	5 - 9 pH
Power requirements (Hz):	50/60 Hz
Power requirements (Voltage):	115 - 230 V AC, powered by Power Box or SC Controller
Power supply:	115 - 230 V AC, powered by Power Box or SC Controller
Pressure range:	-30 - 50 mbar with continuous sample preparation; at overflow vessel
Reproducibility:	0.7 % + 0.005 mg/L
Response time:	10 min
Sample level:	Level of liquid in a basin with filtration probe must be below analyser
Sample quality:	Ultra filtrated or comparable
Sample temperature:	4 - 45 °C
Storage conditions:	-20 - 60 °C; 95 % relative humidity, non-condensing
Warranty:	24 months
Weight:	Without sample preparation system and without chemicals: 31 kg
What's included?:	Phosphax sc LR Phosphate Analyser, 3 month supply of all necessary consumables at 5 minute cycle time, user manuals

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Required Accessories

- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, without power cord (Item LXV525.99A11551)
- SC4500 Controller, Prognosys, 5x mA Output, 1 digital Sensor, 100-240 VAC, without power cord (Item LXV525.99A11501)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 24 VDC, without plug (Item LXV525.99Z11551)