



Phosphax sc Phosphate Analyzer, 0.05-15 mg/L $\text{PO}_4\text{-P}$, One Channel Continuous Sample, 115-230 V

Product #:

6159600

AUD Price (Incl. GST):

Contact Hach

Not in stock - ships within 4-6 weeks

 **Hazardous**

Items with this mark may be considered hazardous under some shipping conditions.

If necessary, we will change your selected shipping method to accommodate these items.

The Phosphate Analyzer has low detection limit of 0.05 mg/L, is environmentally controlled for rugged, outdoor installations, and designed specifically for easy installation at the measurement point. It provides a wide measurement range for a variety of wastewater applications. Automatic cleaning and calibration every day. Easy access to reagents and wear parts.

Prognosis is a predictive diagnostic system that allows you to be proactive in your maintenance, by alerting you to upcoming instrument issues. Know with confidence whether changes in your measurements are due to changes in your instrument or your water.

Phosphax sc must be connected to an SC1000 to form a complete loop.

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.

Wide Detection Limit for a Variety of Wastewater Applications

With detection limits as low as 0.05 mg/L and as high as 50 mg/L, the Phosphax sc Phosphate Analyzer can be used anywhere in the wastewater treatment process, from the influent or start of the phosphorous removal process where phosphate levels may be high to the effluent where phosphate levels are at their lowest.

Low Cost of Operation with Proven Analysis Method

The Phosphax sc analyzer determines phosphate concentration using the molybdovanadate yellow colorimetric method. This method requires very little reagent and therefore reduces operating cost considerably.

Fast Response Time for Control of Nutrient Removal Process

Nutrient removal is a critical and sensitive process in wastewater treatment. Quick response is vital for optimal operation. The fast response time of only 5 minutes, including sample preparation and the ability to choose the measurement interval, make the Phosphax sc Phosphate Analyzer the fastest responding phosphate analyzer on the market.

Easy Installation at the Measurement Point

Hach's Phosphax sc Phosphate Analyzer is designed to be installed at the measurement point (including outdoor installations). The housing is weatherproof and lockable so that the Phosphax sc analyzer can be installed right at the basin, even in the toughest climates. The analyzer easily mounts to a wall. Rail- and stand-mounting options are available. The unit comes complete and assembled; no separate housing is required.

Low Maintenance

Several features make the Phosphax sc online analyzer easy to use and maintain: Automatic cleaning at customized intervals and automatic zero-calibration at each measuring cycle. Comprehensive self diagnosis. Easy access to reagents and wear parts. Sample preparation (Filterprobe sc or Filtrax sc) equipped with automatic self-cleaning.

Specifications

Accuracy:	Using standard solutions: 2 % ± 0.05 mg/L
Cable Length:	2 m fixed data cable at analyzer
Cable Length 2:	2 m fixed power cable at analyzer
Channels:	1
Data Transfer:	Current output, relays and bus communication via SC controller
Enclosure Rating:	IP55
Filtersystem included:	No, use e.g. Filtrax
Flow:	1 - 20 L/h Sample (free of suspended solids)
Fuse Protection:	Via SC1000 controller or power box. Maximum of 2 analysers per SC1000 or power box
Housing Type:	Outdoor
Includes:	0.05 - 15 mg/L PO ₄ -P, 115-230 VAC Phosphax sc Ortho-Phosphate Analyzer, for one channel continuous sample, 3 month supply of all necessary consumables at 5 minute cycle time, user manuals
Lower Limit of Detection (LOD):	0.05 mg/L PO ₄ -P
Material:	ASA/PC UV-resistant
Measurement method:	Photometric method using vanadate-molybdate.
Measuring Interval:	5 to 120 min, adjustable per 5 min.
Measuring Principle:	Phosphate ions react with vanadate-molybdate reagent to form a yellow dye.
Number of Channels:	1
Operating temperature range:	-20 - 45 °C
Output:	Current output, relays and bus communication via SC controller
Parameter:	ortho-Phosphate
Permissible Chloride Range:	Max. Cl ⁻ concentration: 1000 mg/L
pH Range:	5 - 9 pH
Power requirements (Hz):	50 Hz
Power requirements (Voltage):	115 - 230 V AC, powered by Power Box or SC Controller
Power supply:	115-230 VAC
Pressure Range:	-30 - 50 mbar with continuous sample preparation; at overflow vessel
Range:	0.05 - 15.0 mg/L PO ₄ -P
Reagent Consumption:	500 mL/month
Region:	US
Reproducibility:	2 % + 0.05 mg/L
Response Time:	< 5 min
Sample Level:	Level of liquid in basin with filtration probe must be below analyzer
Sample Quality:	Ultra filtrated or comparable
Sample Temperature:	4 - 45°C (39 - 113°F)
Sampling Option:	1 channel continuous sample from filtration unit, e.g. FILTRAX
Storage conditions:	-20 - 60 °C (-4 - 140 °F), 95 % relative humidity, non-condensing
Weight:	Without sample preparation system and without chemicals: 31 kg

What's in the box?

0.05 - 15 mg/L PO₄-P, 115-230 VAC PHOSPHAX sc Ortho-Phosphate Analyzer, for one channel continuous sample, 3 month supply of all necessary consumables at 5 minute cycle time, user manuals

Required Accessories

- SC1000 Multi-parameter Universal Controller Display Module (without GSM/GPRS) (Item LXV402.99.00002)
- SC1000 Probe Module, 6 sensors, Prognosys Module, Modbus RS485, 100-240V AC, no power cord (Item LXV400.99.1H082)
- SC1000 Probe Module, 8 sensors, Prognosys Module, 100-240V AC, no power cord (Item LXV400.99.1G092)