



Be Right™



## NP6000sc Phosphate Analyser, MR, 1 channel, for use with 1 external filtration system, flow detection, 230 VAC

Product #: LXV462.99.20211

AED Price: Contact Hach

### We Have Your Lower Limits Covered - The new NP6000sc phosphate analyser keeps you compliant.

The Hach® NP6000sc Phosphate Analyser offers dependable and accurate measurement to meet regulatory requirements, maintain process control, and reduce operational costs. Designed for wastewater facilities, the NP6000sc features straightforward installation, simple maintenance, and optimised cleaning cycles that help you save time while maximising uptime. Multiple range options are available to suit your process needs: LR (0.015 - 5.0 mg/L), MR (0.05 - 15.0 mg/L), and HR (1.0 - 75 mg/L).

### Gain Control with Data You Can Trust

Take decisive action with reliable data from the NP6000sc Phosphate Analyser. Our phosphate analyser provides lab-grade accuracy across a wide measurement range, giving you the precise, real-time data needed for confident process control. With seamless SCADA integration, you can easily monitor performance, optimise your operations, and stay ahead of regulatory changes. This analyser helps eliminate inconsistencies between lab and online measurements. The NP6000sc Phosphate Analyser's grab sampling functionality simplifies compliance checks and helps you stay audit-ready.

### Lower Costs and Simplify Maintenance

The NP6000sc Phosphate Analyser is designed to maximise uptime and reduce your operational costs.

**Spend Less Time Cleaning:** The membrane requires cleaning only every three months, and the enlarged air supply tube boosts cleaning capacity by 33%.

**Simplify Upkeep:** Maintenance is straightforward, with synchronised reagent and wear part replacements making the twice-a-year schedule quick and efficient. You can also see the instrument's status at a glance with a clear status indicator light.

**Improve Safety:** The filter module is 75% lighter, making it safer and easier for your team to handle during routine maintenance.

### Your Partner in Water Analysis

The NP6000sc Phosphate Analyser delivers the reliable performance required to control your plant, save money, and ensure you meet compliance standards. Protect your investment and ensure maximum uptime with service plans from Hach-trained experts. Discover how the NP6000sc Phosphate Analyser can bring greater reliability and efficiency to your facility.

Ready to optimise your phosphate monitoring? Contact us today for a personalised quote and let our team help you find the right solution for your needs.

**Confidence in compliance through accurate data**

Ensure your operations stay ahead of compliance requirements with the NP6000sc Phosphate Analyser. It is designed for continuous monitoring and precise measurement across three ranges (0.015 - 75 mg/L PO<sub>4</sub>-P), offering lab-grade accuracy and SCADA integration. With real-time data and detailed flow and maintenance insights, the NP6000sc delivers the information needed to optimise processes and support technical decision-making you can trust.

### Grab Sampling: Consistency from Lab to Process

The NP6000sc Phosphate Analyser eliminates the uncertainty caused by discrepancies between lab results and online analysers by aligning measurements for consistent and reliable data. Its grab sample feature ensures compliance with regulatory standards while maintaining precise process control. With trusted, accurate readings, you can confidently avoid penalties and keep operations running smoothly.

### Robust and lightweight filtration options

Benefit from light construction, improved air cleaning and innovative flow detection with the FX610 filtration system and rugged FX620. These features ensure reliable functionality and reduced operational touchpoints. Plus, you'll have confidence in your results with the ability to remotely check that your sample is consistently supplied to your analyser.

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## Specifications

|                               |   |
|-------------------------------|---|
| Accuracy:                     | With Standard Solution:<br><br>2% of the measured value + 0.05 mg/L   |
| Altitude:                     | 2000 m maximum  |
| Cable length:                 | Standard: 2 m cable fixed from the edge of the enclosure<br><br>Extension cables are available as an option (data cable up to 50 m, power cable up to 5 m). |
| Certifications:               | CE, UKCA, CMIM, FCC, ISED, certified to UL and CSA safety standards by TÜV  |
| Controller compatibility:     | Digital SC Controller. Controllers are sold separately.   |
| Detection limit:              | 0.05 mg/L PO <sub>4</sub> -P  |
| Dimensions (H x W x D):       | 991 mm x 575 mm x 425 mm  |
| Enclosure waterproof rating:  | Rating: IP55, NEMA UL50E 3R<br><br>Material: PUR 66   |
| Filter Configuration:         | Use e.g. Filtrax  |
| Flow rate:                    | 0.5 - 20.0 L/h  |
| Indoor/Outdoor:               | Indoor or outdoor use   |
| Measurement method:           | Photometric (Ortho-phosphate ions react with vanadate-molybdate reagent and form a yellow dye.)   |
| Measuring interval:           | 5, 10, 15, 20 or 30 minutes (user adjustable)   |
| Measuring range:              | 0.05 - 15 mg/L PO <sub>4</sub> -P   |
| Number of channels:           | 1   |
| Operating temperature range:  | -20 - 45 °C; 95% relative humidity, non-condensing  |
| Options:                      | Flow detection  |
| Output:                       | Relay, analog outputs, network interface through SC Controller  |
| Parameter:                    | Orthophosphate  |
| Permissible Chloride range:   | ≤ 1000 mg/L Cl <sup>-</sup>   |
| pH Range:                     | 5 - 9 pH  |
| Pollution degree:             | 2   |
| Power requirements (Voltage): | 230 V AC  |
| Power supply:                 | Mains power supplied by SC Controller or LQV155 power box.<br><br>Analyser and heated drain tubing: 230 VAC   |
| Protection class:             | Class I   |
| Repeatability:                | With Standard Solution:   |

|                     |  |
|---------------------|--|
|                     | 2% of the measured value + 0.05 mg/L                                       |
| Response time:      | 90% per measurement cycle for $\text{PO}_4\text{-P} > 0.2 \text{ mg/L}$    |
|                     | 80% per measurement cycle for $\text{PO}_4\text{-P} \leq 0.2 \text{ mg/L}$ |
| Sample pressure:    | 2.5 bar (0.25 mPa) maximum   |
| Sample quality:     | Ultra filtrated or comparable  |
| Sample temperature: | 4 - 40 °C  |
| Special remarks:    | The liquid level in the basin must be below the bottom of the analyser.    |
| Storage conditions: | -20 - 60 °C; 95% relative humidity, non-condensing                         |
| Warranty:           | 24 months  |
| Weight:             | Approximately 45 kg without chemicals                                      |
| What's included?:   | NP6000sc Phosphate Analyser, Mounting Hardware, User Manual                |

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NP6000sc Phosphate Analyser, Mounting Hardware, User Manual

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## Required Accessories

- Filtrax sample filtration system, 10 m heated pressure hose, 230 VAC (Item LXV294.99.02000)
- Filtrax sample filtration system, 30 m heated pressure hose, 230 VAC (Item LXV294.99.04000)
- Filtrax sample filtration system, 2 m non-heated pressure hose, 230 VAC (Item LXV294.99.01000)
- Filtrax sample filtration system, 2 m heated pressure hose, 230 VAC (Item LXV294.99.05000)
- Filtrax sample filtration system, 20 m heated pressure hose, 230 VAC (Item LXV294.99.03000)