



## Phosphax sc Phosphate analyser, Outdoor, 0.05-15 mg/L PO<sub>4</sub>-P, 1 channel, 115-230 VAC

Številka izdelka:

LXV422.99.13001 **Nearno**

EUR Cena:

Kontakt

Odprema v 1 tednu



### The Phosphax sc online analyser provides reliable and accurate PO<sub>4</sub> measurements

High precision process-photometer for the determination of the PO<sub>4</sub>-P content by vanadomolybdate yellow method. The measurement is using a photometer with automatic zero-compensation.

Can take one continuous sample stream coming from a sample preparation. The analyzer is equipped with an insulated enclosure for indoor and outdoor installation. Flexible in the SC system, the analyzer can be combined with all sensors via the SC controller. Transparent, high quality measurement technology brings reliable values with the shortest response times (only 5 minutes from sampling to measured value!). Distorted measurement results are excluded. The yellow method requires very little reagent (more than 50 % less chemicals) and therefore reduces operating costs considerably. The complete system is installed tank-side and requires very little space.

### Multiple measurement ranges 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 analyser 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 yellow method

The Phosphax sc analyser determines ortho-phosphate concentration using the molybdovanadate yellow colorimetric method which optimizes reagent consumption and helps save on operating costs.

### Generate actionable insights from measurement data

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

### Easy installation at the measurement point

Hach's Phosphax sc phosphate analyser is designed to be installed at the measurement point (indoor and outdoor options). The housing is weatherproof and lockable for installation at the basin, even in the toughest climates. Mounting options include: wall, rail, or standing. The unit comes complete and assembled; no separate housing is required.

### Low maintenance

Several features make the Phosphax sc phosphate analyser easy to use and maintain:

1. Automatic cleaning at customized intervals.
  2. Automatic zero-calibration at each measuring cycle.
  3. Prognosys Predictive Diagnostics alerts you to upcoming instrument issues and guides you on whether the changes in your measurements are due to your instrument or your water.
  4. Easy access to reagents and wear parts.
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## Specifikacije

|                                 |   |
|---------------------------------|---|
| Channels:                       | 1   |
| Delovna temperatura:            | -20 - 45 °C   |
| Dimenzija (v x š x g):          | 720 mm x 540 mm x 390 mm  |
| Dolžina kabla:                  | 2 m fixed power cable at analyser   |
| Frekvenca (Hz):                 | 50/60 Hz  |
| Garancija:                      | 24 mesecev  |
| Izhod:                          | Current output, relays and bus communication via SC controller  |
| Kakovost vzorca:                | Ultra filtrated or comparable   |
| Material:                       | ASA/PC UV-resistant   |
| Meja zaznavanja:                | 0.05 mg/L PO <sub>4</sub> -P  |
| Merilna metoda:                 | Photometric method using vanadate-molybdate   |
| Merilni interval:               | 5 - 120 min, adjustable per 5 min.  |
| Merilno načelo:                 | Phosphate ions react with vanadate-molybdate reagent to form a yellow dye.  |
| Merilno območje:                | 0,05 - 15,0 mg/L PO <sub>4</sub> -P   |
| Možnosti podajanja vzorca :     | Outdoor   |
| Možnosti vzorčenja:             | 1 channel continuous sample from filtration unit, e.g. Filtrax  |
| Način premora:                  | 115-230 VAC   |
| Napetost (V):                   | 115 - 230 V AC, napajno s Power Box-om ali z SC Controller  |
| Natančnost:                     | ± 2 % ± 0,05 mg/L   |
| Območje tlaka:                  | -30 - 50 mbar with continuous sample preparation; at overflow vessel  |
| Obnovljivost:                   | 2 % + 0,05 mg/L   |
| Odzivni čas :                   | < 5 minutes   |
| Parameter:                      | ortho-Phosphate   |
| Permissible Chloride range:     | Max. Cl <sup>-</sup> concentration: 1000 mg/L   |
| pH območje:                     | 5 - 9 pH  |
| Pogoji skladiščenja:            | -20 °C - 60 °C  |
| Poraba reagenta:                | 500 mL/month  |
| Prenos podatkov:                | Current output, relays and bus communication via SC controller  |
| Pretok:                         | 1 - 20 L/h sample (free of suspended solids)  |
| Sistem filtrov vključen:        | Ne, uporabite npr. Filtrax  |
| Št. kanalov:                    | 1   |
| Stopnja vzorca:                 | Level of liquid in basin with filtration probe must be below analyser   |
| Temperatura vzorca:             | 4 - 40 °C   |
| Teža:                           | Without sample preparation system and without chemicals: 31 kg  |
| V zaprtih prostorih/Na prostem: | Na prostem  |
| Vrsta ohišja:                   | Outdoor   |
| Vsebina paketa:                 | 0.05 - 15 mg/L PO <sub>4</sub> -P, 230 VAC Phosphax sc Ortho-Phosphate Analyser, outdoor version, 1 channel continous sample from filtration unit, 3 month supply of all necessary consumables at 5 minute cycle time, user manuals |
| Zaščita ohišja:                 | IP55  |
| Zaščita varovalke:              | Via SC1000 controller or power box. Maximum of 2 analysers per SC1000 or power box  |

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## Vsebina paketa

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## Obvezni pripomočki

- Sondni modul SC1000 za 4 senzorje, 4 izhodi 4 - 20 mA, rele, 110 - 240 V AC, kabel za EU (Item LXV400.99.2R121)
- Zaslonski modul SC1000 (Item LXV402.99.00001)
- Kontrolna enota SC4500, Prognosys, 5 izhodov mA, 2 digitalna senzorja, brez vtiča (Item LXV525.99A11551)
- Kontrolna enota SC4500, podpora za Claros, 5 izhodov mA, 2 digitalna senzorja, brez vtiča (Item LXV525.99AA1551)
- Kontrolna enota SC4500, podpora za Claros, 5 izhodov mA, 2 digitalna senzorja, vtič za EU (Item LXV525.99CA1551)