



PHOSPHAX sc Phosphate analyser on-site, 0.05-15 mg/L, 10m filter probe

Nr. produs:

LXV422.99.12001 *Produse periculoase*

ARTICOL ÎNVECHIT

Acest articol nu mai este disponibil.



PHOSPHAX sc-highly flexible PO₄ analyser for on-site measurement

High precision process-photometer for the determination of the PO₄-P content by vanadomolybdate yellow method. The measurement is using a photometer with automatic zero-compensation.

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The sample preparation is done by an integrated sample preparation probe with a 10 m heated hose. The filter probe is operating at 230 V. While the low-maintenance filter probe continuously samples the water, air bubbles prevent the formation of any coatings. 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.

Prognosys ensures confidence in your instrument readings. Prognosys will monitor, provide reliable instrument measurement values and identify when upcoming maintenance tasks are due in an easy-to-read colour display.

Simple handling and operation

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.

Accurate, reliable analyses

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.

Automatic cleaning and calibration

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.

Weatherproof

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.

Many additional versions available on request

Several features make the PHOSPHAX sc Phosphate Analyzer easy to use and maintain: The Filter probe sc is equipped with a self-cleaning filter. With at least a 4-month supply of reagents, the PHOSPHAX sc analyzer offers the most economical reagent consumption. Automatic cleaning at customized intervals and automatic zero-calibration at each measuring cycle. Comprehensive self diagnosis. Easy access to reagents and wear parts

Specificații

Acuratete:	± 2 % ± 0,05 mg/L
Alimentare electrică:	230V AC/50Hz
Calitate proba:	Ultra filtrated or comparable
Carcasă impermeabilă (IP) :	IP55
Cerin#e de alimentare (Hz):	50 Hz
Cerin#e de alimentare (Tensiune):	230 V AC, alimentat de Power Box sau SC1000
Channels:	1
Condi#ii de depozitare:	-20 °C - 60 °C
Condi#ii de operare:	-20 - 45 °C
Consum de reactiv:	500 mL/month
Conținutul cutiei:	0.05 - 15 mg/L PO ₄ -P, 230 VAC Phosphax sc Ortho-Phosphate Analyser, outdoor version, 10 m Filterprobe, 3 month supply of all necessary consumables at 5 minute cycle time, user manuals
Debit:	1 - 20 L/h sample (free of suspended solids)
Dimensiuni (Înălțime x Lățime x Adâncime):	720 mm x 540 mm x 390 mm
Domeniu de măsurare:	0,05 - 15,0 mg/L PO ₄ -P
Domeniu pH:	5 - 9 pH
Garanție:	24 luni
Greutate:	Without sample preparation system and without chemicals: 31 kg
Ieșire:	Current output, relays and bus communication via SC controller
Interior/Exterior:	Exterior
Interval de masurare:	5 to 120 min, adjustable per 5 min.
Interval de presiune:	-30 - 50 mbar with continuous sample preparation; at overflow vessel
Limita de detecție:	0.05 mg/L PO ₄ -P
Lungime cablu:	2 m fixed data cable at analyser
Lungimea cablului:	2 m fixed power cable at analyser
Material:	ASA/PC UV-resistant
Metoda de măsurare:	Photometric method using vanadate-molybdate.
Nivel proba:	Level of liquid in basin with filtration probe must be below analyzer
Nr. canale:	1
Opituni furtun de alimentare cu proba:	Outdoor
Optiune prelevare:	With filtration probe (10 m heated hose)
Parametru:	ortho-Phosphate
Permissible Chloride range:	Max. Cl ⁻ concentration: 1000 mg/L
Principiu de masurare:	2-beam photometer, Vanadate- Molybdate- method (yellow method)
Reproductibilitate:	2 % + 0,05 mg/L
Siguranta:	Via SC 1000 controller or power box maximum of 2 analysis instruments for each SC 1000 or power box
Sistem filtrare inclus:	da, cu furtun de probă de 10m
Temperatura probă:	4 - 45 °C

Timp de raspuns - 20 °C:	< 5 min
Tip carcasa:	Outdoor
Transfer de date:	Current output, relays and BUS communication via SC controller

Conținutul cutiei

0.05 - 15 mg/L $\text{PO}_4\text{-P}$, 230 VAC Phosphax sc Ortho-Phosphate Analyser, outdoor version, 10 m Filterprobe, 3 month supply of all necessary consumables at 5 minute cycle time, user manuals

Accesorii necesare

- Modul de afișare SC1000 (Item LXV402.99.00001)
- Service Premium Plus Analizor Phosphax sc (Item S-PREP2-PHOSPSC)