

Phosphate

Precipitation Dosing and Outlet Monitoring



Phosphorus compounds - in particular ortho-phosphate PO_4^{3-} - are considered to be the limiting nutrients in most stagnant and flowing waters. An increase in their concentration caused by higher input (wastewater, soil erosion etc.) results directly in increasing eutrophication of the water with known effects such as increased growth of algae, oxygen depletion and even anoxia in the deeper regions, etc.. Hence, the elimination of phosphorus on wastewater treatment plants is very important.

Fields of application:

- Municipal wastewater (wwtp)
 - Precipitation control
 - Effluent monitoring
- Surface water

see also <https://www.xylemanalytics.com/en/parameters/phosphate>



Analyzer

The new wet chemical **Alyza IQ PO₄** provides precise results due to its revolutionary MultiPort Valve. Further on, the instrument requires extremely low amounts of liquids.

Precipitation control and outlet monitoring with the orthophosphate measurement of the Alyza IQ PO₄ (molybdate vanadate method or yellow method). It is connectable to IQ SENSOR NET Systems 2020 and 282/284 and provides 10 W to the IQ SENSOR NET.

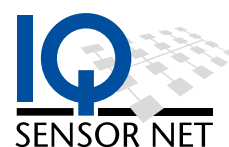


- Minimized reagent consumption and waste
- Extremely low maintenance
- High accuracy at low measuring ranges



Orthophosphate Analyzer Alyza IQ PO₄

To be connected to the digital, modular, and expandable IQ SENSOR NET.



Alyza IQ PO₄ one channel version with open measuring unit and visible photometer



Alyza IQ PO₄ two channel version with covered measuring unit

Alyza IQ PO₄-111

1-channel version for measuring range 1

Alyza IQ PO₄-121

1-channel version for measuring range 2

Alyza IQ PO₄-112

2-channel version for measuring range 1

Alyza IQ PO₄-122

2-channel version for measuring range 2

Ordering Information

Model	Description	Order No.
Alyza IQ PO₄-111	PO ₄ analyzer, 1-channel, with MR 1; incl. 2 m SNCIQ cable, reagent sets need to be ordered separately	825511
Alyza IQ PO₄-112	as above, but 2-channel	825512
Alyza IQ PO₄-121	PO ₄ analyzer, 1-channel, with MR 2; incl. 2 m SNCIQ cable, reagent sets need to be ordered separately	825521
Alyza IQ PO₄-122	as above, but 2-channel	825522



For technical data please see datasheet D2.25

Reagents and accessories see brochure "Product Details" and website

Information about IQ SENSOR NET system see from page 42

Further analyzer see from page 54