

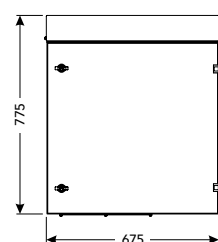
# Orthophosphate Analyzer Alyza IQ

To control precipitant dosing and to monitor the outlet of a wastewater treatment plant with the IQ SENSOR NET (Systems 2020 and 282/284)

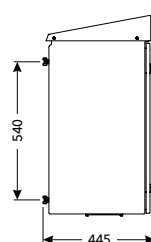
We would like to inform you about the application range on our website



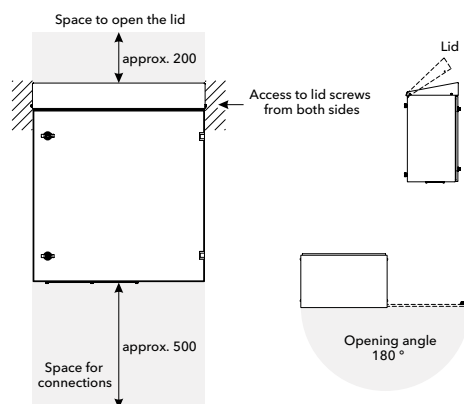
Front view:



Lateral view:



Required space



## Technical Data

Model	Alyza IQ PO <sub>4</sub> -111	Alyza IQ PO <sub>4</sub> -112	Alyza IQ PO <sub>4</sub> -121	Alyza IQ PO <sub>4</sub> -122
Measuring method	Molybdate vanadate method (Yellow method)			
Measuring range	<b>MR 1:</b> 0.02 ... 15.00 mg/l PO <sub>4</sub> -P Displayed: 0.00 ... 15.00 mg/l PO <sub>4</sub> -P		<b>MR 2:</b> 0.2 ... 50.0 mg/l PO <sub>4</sub> -P Displayed: 0.0 ... 50.0 mg/l PO <sub>4</sub> -P	
Resolution	0.01 mg/l PO <sub>4</sub> -P		0.05 mg/l PO <sub>4</sub> -P	
Accuracy	± 2 % ± 0.02 mg/l		± 2 % ± 0.2 mg/l	
Sample streams/channels	1 channel	2 channel	1 channel	2 channel
pH range	5 ... 9			
Sample temperature	+39 ... +104 °F (+4 ... +45 °C)			
Solids contents	< 6 g/l (before filtration)			
Filtration unit	Filter/PC, FM-Case/PC (please order separately)			
Cleaning	Automatic cleaning with cleaning solution			
Calibration	Automatic 1- and 2-point calibration			
Ambient conditions	Operational temperature: -4 ... +104 °F (-20 ... +40 °C); Storage temperature: -4 ... +122 °F (-20 ... +50 °C)			
Electrical connection	120 VAC / 240 VAC, 50/60 Hz			
Mechanics	Housing: powder-coated aluminum, UV resistant Overflow vessel: PMMA			
Weight	Approx. 81.6 lb (37 kg) (without liquids)			
Warranty	2 years			

Subject to technical modifications. Availability expected for Q2 2019.

Model	Description	Order No.
Alyza IQ PO <sub>4</sub> -111	PO <sub>4</sub> analyzer, 1-channel, with MR 1, yellow method, connectable to IQ SENSOR NET Systems 2020 and 282/284, provides 10 W to the IQ SENSOR NET; including 2 m SNCIQ cable, reagent sets need to be ordered separately	825511
Alyza IQ PO <sub>4</sub> -112	PO <sub>4</sub> analyzer, 2-channel, with MR 1, yellow method, connectable to IQ SENSOR NET Systems 2020 and 282/284, provides 10 W to the IQ SENSOR NET; including 2 m SNCIQ cable, reagent sets need to be ordered separately	825512
Alyza IQ PO <sub>4</sub> -121	PO <sub>4</sub> analyzer, 1-channel, with MR 2, yellow method, connectable to IQ SENSOR NET Systems 2020 and 282/284, provides 10 W to the IQ SENSOR NET; including 2 m SNCIQ cable, reagent sets need to be ordered separately	825521
Alyza IQ PO <sub>4</sub> -122	PO <sub>4</sub> analyzer, 2-channel, with MR 2, yellow method, connectable to IQ SENSOR NET Systems 2020 and 282/284, provides 10 W to the IQ SENSOR NET; including 2 m SNCIQ cable, reagent sets need to be ordered separately	825522
<b>Reagent sets</b>		
R-Set PO <sub>4</sub> /1-1	Reagents for Alyza IQ PO <sub>4</sub> -X1X with MR 1	827550
R-Set PO <sub>4</sub> /1-2	Reagents for Alyza IQ PO <sub>4</sub> -X2X with MR 2	827551
SC-Set PO <sub>4</sub> /1-1_0/1	Calibration standards and cleaning solution for Alyza IQ PO <sub>4</sub> -X1X with MR 1; Calibration standards with 0 mg/l and 1 mg/l	827555
SC-Set PO <sub>4</sub> /1-1_0/10	Calibration standards and cleaning solution for Alyza IQ PO <sub>4</sub> -X1X with MR 1; Calibration standards with 0 mg/l and 10 mg/l	827556
SC-Set PO <sub>4</sub> /1-2_10/40	Calibration standards and cleaning solution for Alyza IQ PO <sub>4</sub> -X2X with MR 2; Calibration standards with 10 mg/l and 40 mg/l	827557