



PO<sub>4</sub>

# Orthophosphate Measurement with the new P 700 IQ Analyzer

FOR THE IQ SENSOR NET SYSTEM 2020 AND 282/284

Now also available  
for our brandnew  
system 282/284

## Features of the P 700 IQ

The P 700 IQ for orthophosphate measurement represents another component for the IQ SENSOR NET. This analyzer for phosphate elimination is easy to integrate in new or existing IQ systems.

- **On-site installation**  
Analyzer can be used outdoor at any weather conditions
- **Compact design**  
Pump for permeate supply is integrated in the analyzer housing
- **Low Reagent Consumption**  
Reduction of cost of ownership to a minimum
- **Wide measuring range**  
Suitable for universal applications
- **Automatic calibration**  
Reliable results due to automatic calibration function
- **Direct connection to the IQ SENSOR NET**  
Take advantage of the IQ SENSOR NET world: flexibility, modularity, reliability and cost efficient system extension



for Systems 2020 and 282/284

## Technical Data

Measuring method	Molybdate-Vanadate
Measuring Range	A: 0.05 ... 15.00 mg/l PO <sub>4</sub> -P B: 1 ... 50 mg/l PO <sub>4</sub> -P
Resolution	A: 0.05 mg/l PO <sub>4</sub> -P B: 1 mg/l PO <sub>4</sub> -P
Accuracy	A: ± 2 %, ± 0.05 mg/l B: ± 2 %, ± 1 mg/l
Response time t <sub>90</sub>	< 5 min
Detection limit	A: 0.05 mg/l PO <sub>4</sub> -P B: 1 mg/l PO <sub>4</sub> -P
Calibration	Manual or automatic (adjustable)
pH range	5 ... 9
Sample temperature	+ 4 ... + 45 °C
Measuring interval	< 5 min (adjustable)
Operating temperature	-20 ... + 40 °C
Storage temperature	-20 ... + 50 °C
Reagent consumption	2500 ml for 8 months with measuring range (A) and 10 min measuring interval 2500 ml for 4 months with measuring range (B) and 10 min measuring interval
Cleaning solution	1000 ml for 4 months with cleaning every 24h
Conformity	CE, ETL
Equipment safety	EN 61010-1; UL 3111-1; CAN/CSA C22.2 No. 1010.1
Protection class	IP 54
Climate control	Heating, cooling (fan)
Power supply	115/230 VAC
Weight	~ 30 kg (without reagents)
Dimensions	~ 678 x 780 x 395 mm
Usable System	IQ SENSOR NET System 2020 and 282/284



WTW Wissenschaftlich-Technische Werkstätten GmbH · Dr.-Karl-Slevogt-Straße 1 · D-82362 Weilheim, Germany  
Phone: +49 881 183-0 · Fax: +49 881 183-420 · E-Mail: Info.WTW@XylemInc.com · [www.WTW.com](http://www.WTW.com)

All names are registered tradenames or trademarks of Xylem Inc. or one of its subsidiaries. Technical changes reserved.  
© 2013 WTW GmbH. 999101US

Mai 2016

