



# Chlorine 3017M DPD Chlorine Analyzer

FOR DRINKING WATER & WASTE WATER, INDUSTRIAL APPLICATIONS,  
AQUACULTURE AND AQUATIC HABITATS



a xylem brand

# Free and Total Chlorine

Continuously and Accurately Monitored

- High accuracy of  $\pm 0.03$  mg/l or  $\pm 5\%$
- < 15 minutes per month to exchange reagents
- > 30 days unattended runtime
- No calibration required
- Backlit LCD display
- Can be integrated into existing IQ SENSOR NET via MIQ/IC2



## Drinking water

Chlorination is often used to disinfect drinking water. To control this process and ensure low residual chlorine concentrations with programmable alarms and relays, the Chlorine 3017M is perfectly suited.



## Waste water treatment plants

In the final stages before discharge, the Chlorine 3017M controls the disinfection, monitors the dechlorination and therefore optimizes the process.



## Cooling towers

The Chlorine 3017M ensures that your cooling water system is operating with the right amount of chlorine concentrations to prevent corrosion and control algae and microorganism growth.



## Aquacultures and Aquatic habitats

Free and combined chlorine are extremely toxic to aquatic life. The Chlorine 3017M detects residual free and total chlorine to prevent unnecessary stress on aquatic habitats.



## Accurate and reliable

Measures free or total chlorine using the **DPD colorimetric method**. This highly accurate method of analysis provides reliable data for process optimization, control and reporting.

## Low maintenance

Flow Injection Analysis **simplifies maintenance** and **saves you time**. Simplified tubing and low reagent use reduces the frequency of instrument maintenance.

## Factory calibrated

Eliminates the need for regular calibration.

## ISO and EPA compliant

The 3017M is compliant with US EPA regulations 40 CFR 141.74 (drinking water) and 40 CFR 136.3 (wastewater).

The 3017M measurement method conforms with standard method 4500-CL-G, US EPA method 334.0, and **ISO method 7393-2**, which makes it suitable for drinking water reporting worldwide.

## Process Control

Two configurable relays that you can connect to a PLC to automate and control the chemical dosing process

## Technical Data

<b>Accuracy</b>	$\pm 0.03$ mg/l or $\pm 5\%$ , whichever is greater
<b>Light Source</b>	Class 1 LED; wavelength centered at 525 nm
<b>Limit of detection (LOD)</b>	0.03 mg/l
<b>Maintenance</b>	<15 minutes per month to exchange reagents
<b>Measurement Interval</b>	Programmable; 2.5 ... 60 minutes
<b>Measurement Range</b>	0 ... 5 mg/l free or total chlorine, reagent dependent
<b>Reagent Consumption</b>	~30 days per bottle at a 2.5 minute measurement interval
<b>Sample Flow Rate</b>	50 ... 1,000 ml/min when using Sample Inlet Device
<b>Sample Temperature Range</b>	5 ... 45 °C (41 ... 113 °F)
<b>Unattended Runtime</b>	> 30 days
<b>Communication Capabilities</b>	RS-485 Modbus or 4-20 mA output
<b>Warranty</b>	2 years



D7.05

## Ordering information

Model	Description	Order No.
<b>Chlorine 3017M</b>	DPD Chlorine Analyzer	860151
<b>CLF-Kit 30</b>	Reagent kit for Free Chlorine	860161
<b>CLT-Kit 30</b>	Reagent kit for Total Chlorine	860166



# Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to [www.xylem.com](http://www.xylem.com)



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