

Chlorine 3017M

DPD CHLORINE ANALYZER FOR AQUACULTURE & AQUATIC HABITATS



Continuously measure chlorine in your aquatic application with YSI's 3017M DPD chlorine analyzer. Prevent unnecessary stress on your aquatic life caused by excessive chlorine levels. With a low limit of detection, the 3017M is ideal for chlorine measurements in aquaculture and aquatic habitats. The analyzer features two configurable relays to alert you to harmful spikes in chlorine.

- **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 and control.
- **Low maintenance** - Flow Injection Analysis simplifies maintenance and saves you time. Simplified tubing and low reagent use reduce the frequency of instrument maintenance.
- **Factory calibrated** - Eliminates the need for regular calibration.
- **Process Control** - Two configurable relays that you can connect to a PLC to automate and control chemical dosing process.

For more information visit:
YSI.com/3017M



a xylem brand

Chlorine 3017M DPD CHLORINE ANALYZER SPECIFICATIONS

DOCUMENT XA00069

PERFORMANCE	
Measurement Method	N, N-Diethyl-p-phenylenediamine (DPD)
Measurement Range	0-5 mg/L free or total chlorine, reagent dependent
Measurement Interval	Programmable; 2.5 to 60 minutes
Accuracy	±0.03 mg/L or ±5%, whichever is greater
Limit of Detection	0.03 mg/L
Calibration	Factory calibrated, 1-point if required
Resolution	0.01 mg/L
GENERAL	
Display	2.8 x 6 cm backlit LCD
Enclosure	IP66 (with door latched)
Instrument Dimensions	16.8 x 14.8 x 7.4 inches (42.7 x 37.6 x 18.8 cm)
Mounting	4 mounting struts bolted to back of unit
Instrument Shipping Weight	<18 lbs ; 8 kg
Warranty	2 year warranty
Regulatory Compliance	US EPA regulations 40 CFR 141.74 and 40 CFR 136.3; Standard method 4500-CL-G; US EPA method 334.0; ISO method 7393-2
Certification	CE, cETLus
Language	English, French, German, Italian, Spanish
SAMPLE REQUIREMENTS	
Sample Flow Rate to Sample Inlet Device	50 to 1,000 mL/min when using Sample Inlet Device
Inlet pressure	1 to 20 psig with Sample Inlet Device
Sample Temperature Range	41 to 113 °F (5 to 45 °C)
REAGENTS AND REQUIREMENTS	
Reagent Sets	330006 - Reagent set for measuring total chlorine; includes total chlorine indicator, total chlorine buffer, and DPD powder 330007 - Reagent set for measuring free chlorine; includes total chlorine indicator, total chlorine buffer, and DPD powder
Reagent Consumption	~30 days per bottle at a 2.5 minute measurement interval
Reagent Storage Life (before hydration)	Buffer and indicator: 5 years DPD powder: 1 year
Reagent Storage Life (after hydration)	~30-40 days
POWER & COMMUNICATION	
Power	115-230 VAC , 50-60 Hz, 70VA
Relays	Two relays rated at 6A, 30VDC
Analog Output	One 4-20 mA configurable output
Digital Output	RS-485 Modbus RTU
OPTICAL	
Light Source	Class 1 LED; wavelength centered at 525 nm
Light Path Length	>1 cm
ENVIRONMENTAL	
Storage Temperature Range	41 to 158 °F (5 to 70 °C)
Operating Temperature Range	41 to 131 °F (5 to 55 °C)
Relative Humidity	90% at 40°C non-condensing

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