



Model 9017

MARINE BALLAST WATER ANALYZER



The new OI Analytical Model 9017 Marine Ballast Water Analyzer was developed specifically for the demands of marine environments.

Engineered to meet stringent United States Coast Guard (USCG) standards, the Model 9017 is the most robust instrument available for the continuous monitoring and control of total chlorine and residual oxidants.

Intelligently designed to be reliable and efficient, the Model 9017 uses significantly less reagent than competitive systems and requires less maintenance. Simple to operate and connect to a Ballast Water Management System, the analyzer features user-programmable cycle times and alarms.

- United States Coast Guard Type Approval
- Lower TCO - Reagents last 3x longer than competitive technologies
- Conforms to all USCG and IMO G8 BWMS environmental requirements

Related Part Numbers

331015 Reagent kit - Total chlorine

331016 Tubing kit - Sample and reagent tubes

Model 9017 SPECIFICATIONS

Standard Features

- Accurately determine total chlorine and the residual oxidant
- ABS Marine Class Approval (pending)
- Reagent cooler for extended reagent life
- Simple operation and connectivity with BWMS
- User-selectable cycle times are alarm outputs
- Rugged, durable, corrosion-resistant polycarbonate enclosure
- 4-20 mA output and RS-485 modbus (RTU) or ASCII) communications
- Based on USEPA Accepted Methodology - Standard Method 4500-Cl G, DPD Colorimetric method
- Accurate across varying salinities

General

Display	4 x 20 LCD backlit LCD
Enclosure	NEMA 4x
Dimensions (HxWxD)	43.18 cm x 45.72 cm x 20.32 cm; 17" x 18" x 8"
Weight	23.55 lbs. (10.7 kg) when fully loaded with reagent
Chemical Analysis	DPD Chemistry for Chlorine
Measuring Interval	Programmable 2- to 60-min interval
Range of Measurement	0.1 to 15 ppm Total Cl
Accuracy	15% from 0.1-6ppm, 10% from 6-15 ppm
Resolution	0.05 ppm
Inlet Pressure	< 300 psig
Sample Flow Rate	500 mL/min at psig or higher
Sample Temperature	5 - 50 °C (41 - 122 °F)
Sample Fitting	6 mm Swagelok® tube fitting
Drain Fitting	6 mm Swagelok® tube fitting
Reagent Running Life	90 days with cooling to less than 25 °C
Reagent Bottle Volume	500 mL
Sample Filter	Integrated 100 micron filter

Electrical

Power	115-230 VAC, 50-60 Hz, 125W
Connection	3-wire bulkhead, conduit feedthrough
Safety Class	I, protective grounding
Relays	24 VDC, 6A relay
Analog Outputs	4-20 mA configurable with alarm switch
Digital Outputs	RS-485 modbus RTU protocol or ASCII
Regulatory Certification	ABS Rules for Building and Classing Steel Vessels: 2015, CE, RoHS Compliant

Environmental

Storage Temperature	5 - 70 °C (41 - 158 °F)
Operating Temperature	5 - 55 °C (41 - 131 °F)
Relative Humidity	90% at 40 °C non-condensing
Vibration & Tilt	Per USCG Standard
High Humidity Marine Test	Per USCG Standard

Firmware

Communications Protocol	RS-485 modbus RTU or ASCII
Manual input	Push button keypad
Calibration	No more than 3 points (factory), 1 point field
Analog Output	0-20 mA or 4-20 mA configurable with alarm ping
Alarm/Relay	(1) configurable 30 VDC 6A relay
Display	4 x 20 LCD with backlight



www.xylem.com

OI Analytical
151 Graham Road
P.O. Box 9010
College Station, TX 77842-9010

Tel +1.979.690.1711
Tel +1.800.653.1711
Fax +1.979.690.0440
www.oico.com

Xylem Analytics UK
Unit 2 Focal Point, Lacerta Court
Letchworth, Herts SG6 1EJ
United Kingdom

Tel +44 (0)1462 673 581
Fax + 44(0)1462 673 582
www.xylemanalytics.co.uk