



HYDROGUARD™ Water quality analyzers



At Blue I Technologies, we understand the impact that water quality can have on business. Through a combination of leading-edge technology and in-depth industry experience, we have created water quality solutions for a broad range of industries. From sewage treatment to cooling towers, we work continuously to ensure that our products respond to the latest market requirements. Our experienced team cooperates closely with customers to customize our solutions to meet unique requirements.

Easy to Use. Easy to Maintain.

HydroGaurd Water Quality Analyzers have an intuitive, graphical user interface for **easy set-up**.

With HydroGaurd, you benefit from much **longer maintenance intervals** than with conventional systems. Detailed maintenance **reminders and alarms** provide useful information about incidents, timing and causes so that you can respond effectively.

HydroGuard Analyzers perform **self-calibration, self-cleaning and long-term stabilization**. Manual procedures such as periodic reagent replacement are easy to perform and do not require specialized skills.

Cutting Edge Technology

Colorimetric measurement of chlorine is the industry and laboratory standard, but analyzers based on this method tend to be expensive and difficult to maintain. Based on years of experience in the field, Blue I has pioneered an optimized implementation of the colorimetric measuring process that features **long-term reliability and low maintenance**:

- Colorimetric Calibration free chlorine analyzers
- Patents Pending:
 - ARM™ Active Regent Mixer
 - ASC™ - Automatic Self Cleaning
- Internal Architecture of Bus Configuration
 - Modular Design allowing for simple customization and field upgrades
- Multi Parameter System
 - Up to 8 parameters
 - Free and Total chlorine in one unit

A Tailored Solution for Every Industry

- Municipal Water Treatment
- Power Industry
- Pharmaceuticals
- Marine
- Food and Beverage
- Cooling Towers
- Desalination Plants



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Your Water Quality Partner



HYDROGUARD™

One Controller, All Your Water Analysis Needs

HydroGuard analyzers are modular and can be customized to meet your specific needs and requirements, Any Combination of Measurements in a **Single Unit!**

- Free Chlorine (using DPD)
- Total Chlorine (using DPD)
- Free Chlorine (Amperometric)
- pH
- Conductivity
- Turbidity
- Temperature
- Redox (ORP)
- Flow

Chlorine Testing-Free and/or Total

- Most accurate, consistent readings (+/- 5%)
- Consume VERY little reagents (~0.03mL/sample)
- Self zero before each reading
- Self-Cleaning Photocell
- Measurement: 0-10 ppm
- Measurement Interval: 2 to 10 minutes
- 6 Independent Relays for Equipment Control

Electronics

- IP-65 Rated Enclosures (NEMA 4 equivalent)
- Electronics - SMT Technology
- Separate boards for simple, fast & cost effective maintenance
- Removable terminal blocks for fast connections
- Minimum down-time for maintenance and repairs



Main Technical Data	
Free/ Total Cl ₂ Measurement	0 to 10 ppm
Reagents level indications	Indication - on 20% left Alarm - lack of reagent
Flow switch	Integrated flow switch indicates sufficient flow and prevents injection when Flow stops
Manu selectable languages including	English, French, Spanish, Italian, German, Russian, Polish, Portuguese, Chinese, Japanese, Hebrew
Up to 8 analoge outputs	
Internal data logger	256K
Main supply	100-240V, 50-60Hz
Dimensions	67cmX33cmX14cm 26" X13"X5.5" (WxHxD)