

# HORIBA

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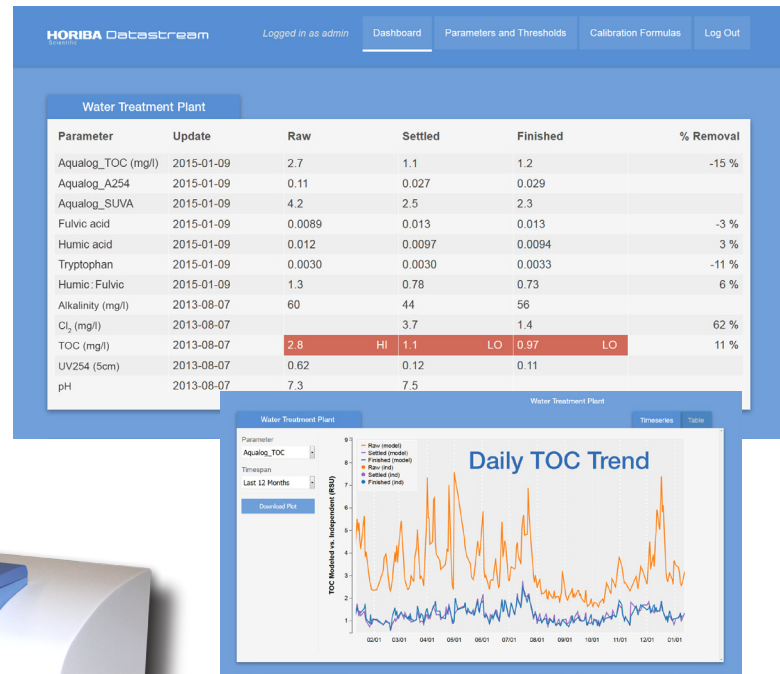
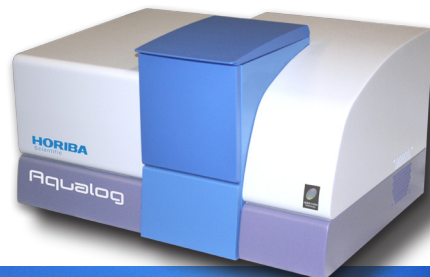
## Aqualog® Datastream for Instant Water Quality Reports



The NEW Aqualog® Datastream Dashboard facilitates completely automated analysis and reporting of a wide range of organic matter parameters that are critical for managing and optimizing the drinking water treatment process. The Datastream parameters have been selected to specifically target disinfection by-product issues, algal issues and other contamination components. The Dashboard provides the latest readings, time series and tables or trend analysis, % removals, thresholds and MCLs (Maximum Contaminant Limits) for all of these parameters, and reports on fit statistics and residual evaluation for system performance monitoring, contamination detection and early warning alerts.

The Datastream Dashboard is the latest enhancement to the HORIBA Aqualog. The Aqualog is the only instrument with patented simultaneous UV-Vis and fluorescence Excitation-Emission Matrices (EEMs), which are acquired up to 100 times faster than with other instruments.

Water treatment facilities can also upload their independent data to simultaneously analyze pH, alkalinity, turbidity, Cl<sub>2</sub> and other key parameters.



These Datastream Parameter Specification Tables highlight the high-sensitivity and wide range of parameters at your fingertips.

### Features:

- Seamless integration with Aqualog
- Convenient HTML-based interface
- Push-button method operation
- Simple administrator level controls for calibration and method development

### Benefits:

- Easy access through internet or intranet
- Dashboard shows the latest readings, time series and tables for trends and analysis
- WTP can upload their own independent data

### Instant Dashboard results include:

- Dissolved Organic Carbon Concentration
- Disinfection By-product Formation Potentials
- Complete UV-Vis spectra (A254)
- Specific UV Absorbance
- Algae (Bluegreen, Green and others)
- Oils and PAHs
- Regional Molecular Fingerprint Analysis
- Absorbance Slope Analysis
- Humic and Fluorescence Indices
- Process Step Coordination
- Time Series and Tables for Trend Analysis
- 95% removal of customer input requirements or analysis
- Thresholds and MCLs for all Parameters
- Model Parameters, Fits and Residual Evaluation

[www.aqualog.com](http://www.aqualog.com)

# Specifications

Aqualog Datastream Parameters	Specifications	Notes
Dissolved Organic Carbon Concentration (DOC)	30 µg/l-20 mg/l	Requires Filtration (0.45 µm)
A254 nm	1 cm path length	
SUVA	L DOC mg <sup>-1</sup> A254 m <sup>-1</sup>	
Simulated Distribution, System Trihalomethane, Formation Potential	SDS THMFP (10 µg/l – 500 µg/l)	MCL USEPA = 80 µg/l
Parallel Factor Analysis Component Scores	Up to 7	Can include Algal, Oil/PAH, Tracer Dyes and other Components
Residuals (Q)		Detect Contaminants and Measurement Issues
% Variance Accounted For		Detect Contaminants and Measurement Issues
Absorbance Spectrum	200-800 nm; 1 cm path length	Any wavelength coordinate or ratio can be analyzed with extinction coefficients
Excitation Emission Matrix (EEM) Regions	I-V plus Algal (Bluegreen/Brown/Green)	Custom EEM regions also available; Based on Interpolated EEM Processing
Total Fluorescence	Sum of EEM Regions I-V	
Humic Index		
Fluorescence Index		
<b>Independent Treatment Plant Data</b>		
DOC	mg/l	
Alkalinity	mg/l	
Chlorine Residual	mg/l	
THM/SDSTHMFP	µg/l	
A254 nm	Adjustable Path Length Specifications	
pH		
Additional Parameters Available		

System Requirements	Datastream Specifications	
Windows OS	64 bit Windows 7 or higher	
Web Browser	Google Chrome ≥V53.x or Firefox ≥49.x	
Memory (RAM)	≥ 4 GB	
Hard Disk	≥ 4 GB	
DVD-ROM	Required	
USB Ports	≥ 2	Additional ports may be required for accessories
Video Resolution	≥ 1024 x 768	
Eigenvector Solo Industrial	V8.2 or higher	
HORIBA Onsite Installation/Calibration	Required	
HORIBA 6 month service	Advised	
License Period	1 year renewable	
Aqualog Hardware	UV-800 (200-800 nm)	



Aqualog Datastream Dashboard is powered by Solo Predictor software from Eigenvector Research, Incorporated

[www.aqualog.com](http://www.aqualog.com)



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