

Aqualog Sipper

Automatic Sipper Accessory

ELEMENTAL ANALYSIS

FLUORESCENCE

GRATINGS & OEM SPECTROMETERS

OPTICAL COMPONENTS

FORENSICS

PARTICLE CHARACTERIZATION

R A M A N

SPECTROSCOPIC ELLIPSOmetry

SPR IMAGING

Automatically measure
absorbance and
fluorescence with ease

Introducing the NEW Aqualog® Sipper accessory for continuous measurements in water extraction and other applications

The Aqualog® is the only instrument to simultaneously measure both absorbance spectra and fluorescence Excitation-Emission Matrices (A-TEEM™) in a matter of seconds. By connecting to the new WS-10 sipper accessory and optional WS-10-S sample changer accessory, the Aqualog® can sample at regular time intervals and perform all measurements automatically.

The main sipper unit handles sampling from a single source, in addition to rinsing solutions, detergents and reverse-flow drainage. The sample changer unit connects to the main sipper unit to allow for sampling of up to 4 sources by connecting to the sample inlet of the main sample unit.

When used at a water treatment plant, the main application is to monitor the effects of chemical treatment on dissolved organic carbon concentration and composition, to determine the probability of forming carcinogenic disinfection by-products in the plant's distribution system.

On average Aqualog can save a typical water treatment plant 5-10% off of their annual chemical budget every year by avoiding overdosing.

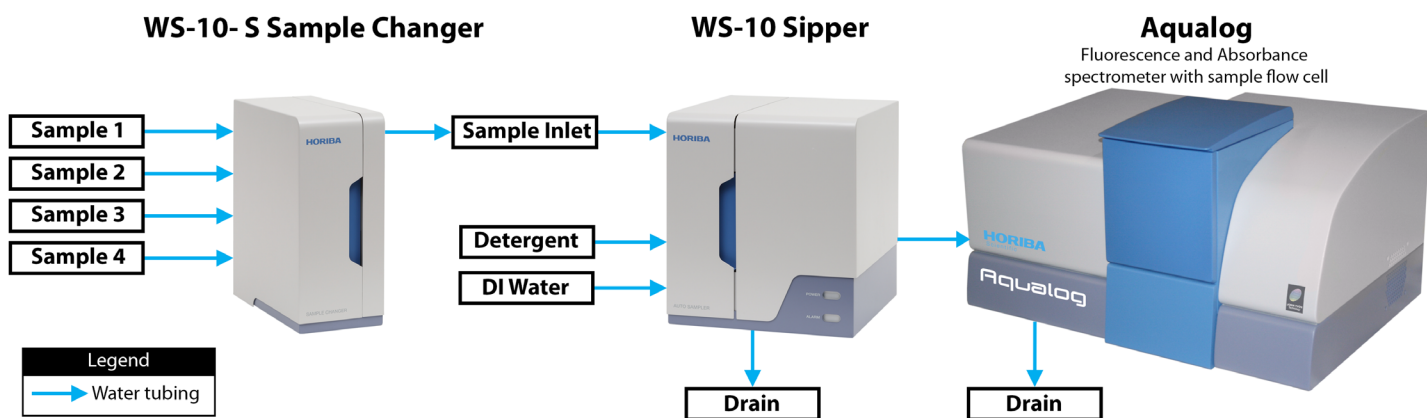
Key Features and Benefits:

- Convenient installation and operation for routine sampling of Raw, Settled and Finished water in organics laboratories.
- Fully integrated software control with new Aqualog version 4.0 software Sample Q for batch analysis.
- Fully compatible with Aqualog® DataStream Dashboard HTML software interface for Dissolved Organic Carbon and Disinfection By-product Formation Potential Monitoring.
- Sampling compatible with Overflow and Filtration Devices for up to 4 independent Water Plant sources per sample changer unit.
- Built-in automated cleaning, leak detection and protection.
- Automatic lamp on/off option after Sample Q completion.
- Ability to schedule inner (short or daily) and extended outer loop (days to weeks) operations for automatic sampling events.
- Automatic adjustment of normalization factor for extended operations.

www.aqualog.com

Specifications

		WS-10 Automatic Sipper Unit for Aqualog	WS-10-S Sample Changer Unit for WS-10
Sample supply method		Suction using tubing pump	Suction from WS-10 Sipper
Amount of sample required		Up to 120mL/min +/-20mL/min at 25° C	
Compliant tubing		Plastic tube, 2 mm inside, 3 mm outside	
Maximum sampling distance		Under 5 m from sampling point to auto sampler (without sample changer)	Under 4 m from sampling point to sample changer (under 1 m from sample changer to auto sampler)
Sample water requirements	Pressure	Under 0.20 MPa	
	SS	Particle size: 1.0 µm	
External liquid leakage sensor input		Operation resistance: range 3: 0 MΩ to 50 MΩ Connecting cable: under 2 m	N/A
Connection		USB cable to computer	D-sub 25 pin to WS-10 sipper
Ambient temperature		5° C to 40° C	
Relative humidity		20% to 85% (without dew condensation)	
Storage temperature		0° C to 40° C (without freezing)	
Power supply		100 V to 240 V AC +/-10% 50/60 Hz	From D-sub 25 pin connector
Structure		Indoor use	
Size (W x D x H)		250 mm x 250 mm x 308 mm 9.84" x 9.84" x 12.13"	250 mm x 125 mm x 308 mm 9.84" x 4.92" x 12.13"
Weight		9 kg / 19.8 lbs.	4.2 kg / 9.26 lbs.



Refer also to www.aqualog.com for the Aqualog brochure and other reference material.



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

www.aqualog.com

info.sci@horiba.com

USA: +1 732 494 8660
UK: +44 (0)1604 542 500
China: +86 (0)21 6289 6060

France: +33 (0)1 69 74 72 00
Italy: +39 2 5760 3050
Brazil: + 55 11 2923 5400

www.fluorescence.com

Germany: +49 (0) 6251 8475-0
Japan: +81 (75) 313-81231
Other: +1 732 494 8660



HORIBA
Scientific