# 1 Instrument – 5 Technologies – 100+ Parameters

EZ Series Online Analyzers for industrial and environmental water analysis







ISE Analyzer



**Titrator** 



Voltammetric Trace Metal Analyzer



Chemiluminescence Analyzer

The Hach® EZ Series covers a unique range of parameters on a single analyzer platform. Five measurement technologies (colorimetry, titration, ion-selective electrode, voltammetry, and chemiluminescence) allow for a wide selection of measuring ranges and applications.

All instruments come in the same rugged mainframe with a compact footprint. Their common user interface on industrial panel PCs is easy to use and keeps training efforts low. Administrator access and activated/deactivated menu keys provide security. Various analog and digital communication

outputs support easy integration into your systems. Discontinuous analysis at programmable intervals assures low reagent consumption and eliminates cross-contamination.

EZ Series analyzers share wear and spare parts thus requesting less inventory. Similar maintenance steps again bring down training efforts. Optional Hach service agreements protect your investment and help ensure compliance.



Representantes / Distribuidores Autorizados

Argentina

Tel: (+54 11) 5352 2500 Email: info@dastecsrl.com.ar Web: www.dastecsrl.com.ar

Uruguay www.dastecsrl.com.uy



## The EZ Series Periodic Table of Elements









#### **Additional parameters**

Available on www.hach.com

Francium

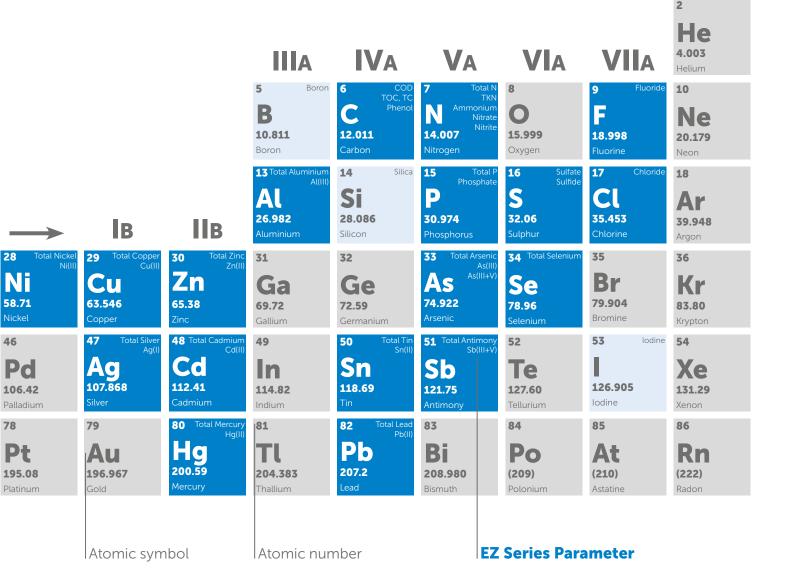
Radium

Actinium

Available on request

Microbial Load / ATP	Cyanide Total Cyanide	Volatile Fatty Acids (VFA) FOS/TAC	Chlorine, total	Hydrogen Per
Toxicity	Thiocyanate SCN-	Urea	Formaldehyde	Glucose
Potassium hydroxide	Sodium hydroxide Sodium bisulfite	Sulphur dioxide	TMAH (Tetramethylammonium hydroxide)	Color Color Aurubis

### **VIII**A



roxide H <sub>2</sub> O <sub>2</sub>	Hydrazine N <sub>2</sub> H <sub>4</sub>	DEHA (Diethylhydroxylamine)	Anionic charge Kationic charge Charge density	Thorium
	Acidity, free Acidity, total	Hydrofluoric Acid	Acetic Acid Lactic Acid Oxalic Acid	Hydrochloric Acid Phosphoric Acid Sulfuric Acid



# DOC063.53.30463.Aug18

# Complete solutions for the complete water cycle

Risk mitigation, compliance, safety and instrument uptime: these are common requirements in water management, independent of the application. The EZ Series Analyzers provide a solution for continuously monitoring parameters that are critical to these concerns.

#### **Application examples**

- Monitoring of microbial ATP as the common denominator in bacterial and pathogen contamination, e.g. for prevention of biofouling in RO membranes
- Controlling of primary disinfection and disinfection by-products (DBPs)
- Detection of trace metals in source water, the distribution network or in your wastewater effluent post chemical precipitation and clarification
- Cost-effective determination of organic carbon in surface
- Monitoring of corrosion, scaling and fouling indicators in your feed water
- Controlling of process efficiency and critical process parameters in anaerobic digestion
- Detection of acute and chronic toxicity in wastewater streams to protect your vulnerable microorganisms

#### **EZ Series Overview**

Thanks to the versatile instrument platform in many cases it will be possible to match the online analysis to the method you are using in your laboratory.

- EZ1000 Series: colorimetric analyzers
- EZ2000 Series: colorimetric analyzers with digestion
- EZ3000 Series: ion-selective analyzers
- EZ3500 Series: ion-selective analyzers with standard addition for complex matrices
- EZ4000 Series: single parameter titrators
- EZ5000 Series: multi parameter titrators
- EZ6000 Series: voltammetric trace metal analyzers
- EZ7000 Series: dedicated analyzers, e.g. for COD, TOC or Total Nitrogen + Total Phosphorus

#### **Sample Preconditioning**

EZ Series Analyzers can be combined with sample preconditioning units for external dilution or filtration to meet the requirements of the individual application. All systems are designed for fully automatic operation and require virtually no human intervention.

The self-cleaning EZ9000 Series filtration systems are either equipped with a blow-back action by instrument air or a specific cleaning cycle to prevent the filter element, the sample tubing and the analyzer from blocking and blinding. This design principle allows for trouble-free sampling and contributes to high up-times.

#### **Service Partnership**

Hach provides on-site and in-factory repair, preventative maintenance, and calibration programs for your instruments to ensure reliability and instrument up-time. We have services to fit your specific needs.



Representantes / Distribuidores Autorizados

Argentina

Tel: (+54 | 1) 5352 2500 Email: info@dastecsrl.com.ar Web: www.dastecsrl.com.ar

Uruguay www.dastecsrl.com.uy

#### **HACH COMPANY World Headquarters: Loveland, Colorado USA**

**United States:** 800-227-4224 tel 970-669-2932 fax **Outside United States:** 970-669-3050 tel 970-461-3939 fax

hach.com

orders@hach.com int@hach.com

©Hach Company, 2018. All rights reserved.

