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.

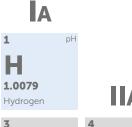
All instruments come in the same rugged mainframe with a compact footprint. Their common user interface on industrial panel PCs is easy to use and keeps training efforts low. Administrator access and activated/deactivated menu keys provide security. Various analog and digital communication

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.



The EZ Series Periodic Table of Elements



IIA



Be 9.012 Beryllium





IIIB





VIB



26

Fe

55.847



Co

58.933

Cobalt

19	Potassium
K	
39.102	
Potassiu	m

37

Rb

85.4678



38

Sr

87.6

Strontium



Y

88.906

Yttrium





23



















91.22

Zirconium



92.906

Niobium



Molybdenum



Technetium





87 Fr (223)Francium





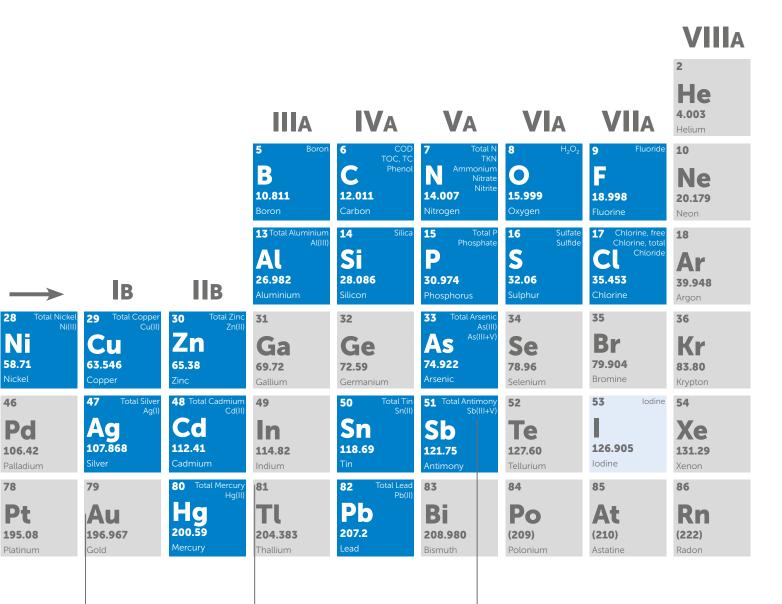
Available on request

Element name

Relative atomic mass

Additional parameters

Microbial Load / ATP	Cyanide Total Cyanide	Volatile Fatty Acids (VFA) FOS/TAC	Color	Toxicity
Thiocyanate SCN	Urea	Formaldehyde	Glucose	Acidity, free Acidity, tota
	Sodium hydroxide Sodium bisulfite	Sulphur dioxide	TMAH (Tetramethylammonium hydroxide)	
Augilahla an				



Hydrazine N ₂ H ₄	DEHA (Diethylhydroxylamine)	Anionic charge Kationic charge Charge density	Thorium
Hydrofluoric Acid	Acetic Acid Lactic Acid Oxalic Acid	Hydrochloric Acid Phosphoric Acid Sulfuric Acid	Potassium hydroxide

Atomic number

Atomic symbol



EZ Series Parameter

DOC063.53.30463.May19

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 water intake
- 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.

HACH COMPANY World Headquarters: Loveland, Colorado USA

United States: 800-227-4224 tel 970-669-2932 fax orders@hach.com
Outside United States: 970-669-3050 tel 970-461-3939 fax int@hach.com

hach.com

