

EZ Series Online Analyzers and Sample Preconditioning Units



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 Analyzer Models:

EZ1000 Series - online colorimetric analyzers

EZ2000 Series - online colorimetric analyzers with digestion

EZ3000 Series - online ion-selective (ISE) analyzers

EZ4000 Series - online titrimetric analyzers

EZ5000 Series - online titrimetric analyzers, multiparameter

EZ6000 Series - online voltammetry analyzers for heavy/trace metal analysis

EZ7000 Series - online analyzers for industrial and sum parameter applications

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.

All relevant parameter groups in water analysis are covered by the EZ Series: Nutrients, Organics, Inorganics, Metals / Trace Metals

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.

EZ Series Sample Preconditioning Units:

EZ9010 - universal self-cleaning filtration system, for immersion

EZ9020 - universal self-cleaning filtration system, fast loop

EZ9110 - heavy-duty filtration system

EZ9120 - heavy-duty filtration system for sludge applications (to be combined with EZ7900 toxicity analyzer)

EZ9130 - heavy-duty filtration system for anaerobic applications (to be combined with EZ7200 VFA analyzer)

EZ9200 - microfiltration system, for immersion

EZ9250 - microfiltration system, for bypass

EZ9750 - external dilution unit

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Technical Data*

	EZ1000 Series	EZ2000 Series	EZ3000 Series	EZ4000 Series	EZ5000 Series	EZ6000 Series	EZ7000 Series
	Colorimetric	Colorimetric with digestion	Ion-Selective (ISE)	Titrimetric	Titrimetric, multiparameter	Voltammetry	Industrial and sum-parameter applications
Alkalinity				•	•		
Aluminum	•	•					
Ammonium	•			•			
Arsenic						•	
ATP							•
Boron	•						
Chloride	•		•	•			
Chromium	•	•					
Color Pt-Co	•						
Copper	•	•					
Cyanide	•	•					
Fluoride			•				
Hardness	•			•	•		
Hydrogen Peroxide	•						
Iron	•	•					
Manganese	•	•					
Nickel	•	•					
Nitrate	•						•
Nitrite	•						•
Phenol	•						
Orthophosphate	•						•
Silica	•						
Sodium			•				
Sulfate	•						
Sulfide	•		•	•			
Total Nitrogen (TN)							•
Total Phosphorus (TP)							•
Toxicity							•
Volatile Fatty Acids (VFA)							•
Zinc	•						

*Subject to change without notice.

Order Information

Parameter	Model	Parameter	Model
Alkalinity	EZ4003/EZ4004/EZ5001	Manganese	EZ1025sc/EZ2003/EZ2303
Aluminum	EZ1001/EZ2000/EZ2300	Nickel	EZ1027/EZ2004
Ammonium	EZ1102/EZ4005	Nitrate	EZ1029
Arsenic	EZ6000/EZ6001/EZ6200	Nitrate, Nitrite	EZ1301
ATP	EZ7300	Nitrite	EZ1028
Boron	EZ1004	Phenol	EZ1030
Chloride	EZ1005/EZ3003/EZ3004/EZ3005/ EZ3503/EZ3504/EZ3505/EZ4006	Orthophosphate (PO ₄ -P)	EZ1031/EZ1032
Chromium	EZ1009/EZ2001/EZ2301/EZ2400	Silica	EZ1035
Color Pt-Co	EZ1008	Sodium	EZ3015/EZ3016
Copper	EZ1010/EZ1011/EZ2002/EZ2302	Sulfate	EZ1036
Cyanide	EZ1012/EZ2500	Sulfide	EZ1037/EZ3018/EZ4032
Fluoride	EZ3007/EZ3507/EZ3508	Total Nitrogen (TN)	EZ77xx
Hardness	EZ1016sc/EZ1017/EZ4041/EZ4043/ EZ4044/EZ5002	Total Nitrogen (TN), Nitrate, Nitrite	EZ7750
Hardness, Alkalinity	EZ5003/EZ5004/EZ5005/EZ5006/ EZ5010/EZ5011	Total Nitrogen (TN), Total Phosphorus (TP)	EZ76xx
Hydrogen Peroxide	EZ1022	Total Phosphorus (TP)	EZ782x
Iron	EZ1024/EZ2005/EZ2306	Total Phosphorus (TP), Orthophosphate (PO ₄ -P)	EZ786x
		Toxicity; respiration rate	EZ7900
		Volatile fatty acids (VFAs), total alkalinity	EZ725x
		Zinc	EZ1040