

SL1000 Portable Parallel Analyzer (PPA)

Applications

- Clean Water Applications
- Boiler Water



Chloramination Testing Can be Done 75% Faster

The new Hach® SL1000 Portable Parallel Analyzer (PPA) performs the same tests with less than half the manual steps. Get highly accurate results with less opportunity for errors in a fraction of the time. Up to six parameters tested simultaneously.

Perform multiple tests faster

Complete more tests on site, get the results you need faster, allowing you to visit more sites in each shift. Perform up to four colorimetric and two probe based measurements in parallel 75% faster than with other methods.

Less Variability

Automation and internal temperature control make the entire process consistent and repeatable, while applying the same processes as current Hach methods. Avoid manual steps that can introduce variability, even when performed by experienced testers.

Less Hassle

A single instrument combines colorimetric and probe testing in a field kit that requires fewer bulky accessories. All chemicals and processes are entirely contained inside the Chemkey. There are no powder pillows or glass vials to handle.



Technical Data*

Battery Requirements	Rechargeable Lithium-Ion battery pack
Battery Life	>200 Chemkey tests per full battery charge
Certifications	CE Compliant
Detector	Silicon photodiode
Dimensions (H x W x D)	258.3 mm x 130.8 mm x 58.9 mm
Interfaces	Mini USB
Measurement Modes	Transmittance (%), Absorbance (abs) and Concentration (Conc)
Operating Temperature Range	5 - 50 °C / maximum 85% relative humidity (non-condensing)
Protection Class	III
Storage Conditions	-20 - 60 °C / maximum 85% relative humidity (non-condensing)
Enclosure Rating	IP64
Weight	2.65 lbs. (1.2 kg)
Warranty	1 year

**Subject to change without notice.*

Chemkey Reagents*

Chemkey tests are available for the following parameters and ranges:

Parameter	Range	Quantity	Prod. No.
Free Chlorine	0.04 - 4.60 mg/L Cl_2	pk/25	9429000
Free Chlorine	0.04 - 4.60 mg/L Cl_2	pk/300	8499300
Total Chlorine	0.04 - 10 mg/L Cl_2	pk/25	9429100
Total Chlorine	0.04 - 10 mg/L Cl_2	pk/300	8499400
Monochloramine	0.04 - 4.60 mg/L Cl_2	pk/25	9429400
Free Ammonia	0.05 - 0.50 mg/L $\text{NH}_3\text{-N}$	pk/50	9429600
Monochloramine	0.04 - 4.6 mg/L Cl_2		
Nitrite	0.005 - 0.600 mg/L $\text{NO}_2\text{-N}$	pk/25	9429300
Total Ammonia	0.05 - 1.50 mg/L $\text{NH}_3\text{-N}$	pk/25	9425200
Ammonia, Free & Total	Free Ammonia: 0.05 - 0.50 mg/L $\text{NH}_3\text{-N}$ Total Ammonia: 0.05 - 1.50 mg/L $\text{NH}_3\text{-N}$	pk/50	8791900
Monochloramine	Monochloramine: 0.04 - 4.6 mg/L Cl_2		
Copper	0.06 - 5.75 mg/L Cu	pk/25	9429200
Dissolved Iron	0.05 - 3.00 mg/L Fe	pk/25	8636000
Alkalinity	200 - 700 mg/L CaCO_3	pk/25	8636100
Alkalinity	20 - 200 mg/L CaCO_3	pk/25	8636200
Hardness	90 - 750 mg/L CaCO_3	pk/25	8636300
Hardness	3 - 100 mg/L CaCO_3	pk/25	8636400
Orthophosphate	2.0 - 30.0 mg/L PO_4	pk/25	8636500
Orthophosphate	0.20 - 4.00 mg/L PO_4	pk/25	8636600

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Order Information

SL1000 Instrument Options

- 9430000** SL1000 Portable Parallel Analyzer (PPA)
Includes: SL1000 meter, carrying case, 1 instrument sample cup, 2 probe sample cups, rechargeable battery, battery charger, hand strap, instrument manual, and USB cable.
- 8499000** Full SL1000 Portable Parallel Analyzer (PPA) Kit
Full kit includes basic instrument package plus: 1 pH probe, 1 conductivity probe and 1 box each of Free Cl, Total Cl, Monochloramine, Nitrite and Free Ammonia Chemkeys.

Optional Accessories

- 9427900** Chlorine Verification Chemkey
- 9436800** System Verification Chemkey
- 9374200** Car Charger for SL1000 Portable Parallel Analyzer
- PHC20101** Intellical™ PHC201 Standard gel filled pH electrode, 1 m cable
- CDC40101** Intellical™ CDC401 Standard Conductivity electrode, 1 m cable
- MTC10101** Intellical™ MTC101 Standard gel filled ORP electrode, 1 m cable
- LDO10101** Intellical™ LDO101 Standard Luminescent/Optical Dissolved Oxygen (LDO) sensor, 1 m cable
- ISENO318101** Intellical™ ISENO3181 Standard Nitrate ISE electrode, 1 m cable
- ISEF12101** Intellical™ ISEF121 Standard Fluoride ISE electrode, 1 m cable
- ISECL18101** Intellical™ ISECL181 Standard Chloride ISE electrode, 1 m cable
- ISENA381AP** Intellical™ ISENA38101 Standard Sodium ISE electrode with calibration reagents pack
- ISENH4181AP** Intellical™ ISENH418101 Standard Ammonia ISE electrode with calibration reagents pack
- 2522905** Cotton-Tipped Applicator
- 1440049** Sodium Chloride Standard Solution, 491 mg/L NaCl (1000 µS/cm), 500 mL
- 2316949** ZoBell's Standard Solution, 500 mL



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