

# SL1000 Portable Parallel Analyzer (PPA)



## Applications

- Chloramination
- Drinking Water
- Clean Water
- Boiler Water
- Cooling 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.



Be Right™

## Technical Data\*

<b>Battery Requirements</b>	Rechargeable Lithium-Ion battery pack, 7.4 V, 5.0 Ah (5000 mAh)
<b>Battery Life</b>	>200 Chemkey tests per full battery charge
<b>Certifications</b>	CE, UKCA, FCC, ISED, RCM, KC
<b>Detector</b>	Silicon photodiode
<b>Dimensions (H x W x D)</b>	258.3 mm x 130.8 mm x 58.9 mm
<b>Interfaces</b>	Mini USB
<b>Measurement Modes</b>	Transmittance (%), Absorbance (abs) and Concentration (Conc)
<b>Operating Temperature Range</b>	Discharging: 5 - 50 °C (41 to 122 °F) / maximum 85% relative humidity (non-condensing) Charging: 5 - 45 °C (41 to 113 °F) / maximum 85% relative humidity (non-condensing)
<b>Protection Class</b>	III
<b>Storage Conditions</b>	-20 - 60 °C / maximum 85% relative humidity (non-condensing)
<b>Enclosure Rating</b>	IP64
<b>Weight</b>	2.65 lbs. (1.2 kg)
<b>Warranty</b>	12 months

*\*Subject to change without notice.*

## Chemkey Reagents\*

Chemkey tests are available for the following parameters and ranges:

Parameter	Range	Quantity	Prod. No.
Chlorine, Free	0.04 - 4.00 mg/L Cl <sub>2</sub>	pk/25	9429000
Chlorine, Free	0.04 - 4.00 mg/L Cl <sub>2</sub>	pk/300	8499300
Chlorine, Total	0.04 - 10 mg/L Cl <sub>2</sub>	pk/25	9429100
Chlorine, Total	0.04 - 10 mg/L Cl <sub>2</sub>	pk/300	8499400
Monochloramine	0.04 - 4.00 mg/L Cl <sub>2</sub>	pk/25	9429400
Ammonia, Free; Monochloramine	Free Ammonia: 0.05 - 0.50 mg/L NH <sub>3</sub> -N Monochloramine: 0.04 - 4.00 mg/L Cl <sub>2</sub>	pk/50	9429600
Nitrite	0.005 - 0.600 mg/L NO <sub>2</sub> -N	pk/25	9429300
Ammonia, Total	0.05 - 1.50 mg/L NH <sub>3</sub> -N	pk/25	9425200
Ammonia, Free & Total; Monochloramine	Free Ammonia: 0.05 - 0.50 mg/L NH <sub>3</sub> -N Total Ammonia: 0.05 - 1.50 mg/L NH <sub>3</sub> -N Monochloramine: 0.04 - 4.00 mg/L Cl <sub>2</sub>	pk/50	8791900
Copper	0.06 - 5.00 mg/L Cu	pk/25	9429200
Dissolved Iron	0.05 - 3.00 mg/L Fe	pk/25	8636000
Alkalinity, HR	200 - 700 mg/L CaCO <sub>3</sub>	pk/25	8636100
Alkalinity, LR	20 - 200 mg/L CaCO <sub>3</sub>	pk/25	8636200
Hardness, HR	90 - 750 mg/L CaCO <sub>3</sub>	pk/25	8636300
Hardness, LR	3 - 100 mg/L CaCO <sub>3</sub>	pk/25	8636400
Orthophosphate, HR	2.0 - 30.0 mg/L PO <sub>4</sub>	pk/25	8636500
Orthophosphate, LR	0.20 - 4.00 mg/L PO <sub>4</sub>	pk/25	8636600
Peracetic Acid	0.04 - 50.0 mg/L PAA	pk/25	8635200
pH	pH 6.3 - 9.0	pk/25	9759000

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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.
- 25632200** Full SL1000 Portable Parallel Analyzer (PPA) Nitrification Kit  
SL1000 meter, 1 pH probe, 1 nitrate probe, 1 box each of Free Cl, Total Cl, MonoCl, Free Ammonia and Nitrite Chemkeys, carrying case, 1 instrument sample cup, 2 probe sample cups, rechargeable battery, battery charger, handstrap, instrument manual, and USB cable.



### 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  $\mu$ S/cm), 500 mL
- 2316949** ZoBell's Standard Solution, 500 mL

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