



SL250 Single-Port Portable Parallel Analyser (PPA)

Applications

- Clean Water
- Boiler water
- Cooling Water
- Surface Water
- Source Water



One portable instrument – all the key parameters you need

Hach®'s SL250 Portable Parallel Analyser (PPA) is an innovative multiparameter water quality meter that allows you to simultaneously perform colorimetric and probe-based measurements. The instrument and corresponding Chemkey reagents are easy to use regardless of technical expertise. Compared to traditional powder or liquid reagent methods, Chemkeys use a simplified testing method that requires no sample preparation, making the process significantly easier, faster, and safer while drastically reducing variability in results. In addition to the many colorimetric measurements, you can measure pH, dissolved oxygen, conductivity, and more on one device.

Accuracy and repeatability at your fingertips

Automatic parameter selection and measurement processes make results consistent and repeatable while using the same trusted chemistries as current Hach methods. Avoid manual steps that can introduce variability between users.

Perform your tests faster

With sample prep eliminated, get the results you need faster. You have the ability to perform up to three simultaneous tests.

No need to handle chemicals

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



Not suitable for chloramination applications

Technical Data*

Battery life	>200 Chemkey tests per full battery charge
Dimensions	13.08 x 5.89 x 25.83 cm (5.15 x 2.32 x 10.17 in.)
Enclosure waterproof rating	IP54
Weight	1.0 kg
Power requirements (Voltage)	100 - 240 V AC
Operating temperature range	5 - 50 °C (41 - 122 °F), maximum 85% relative humidity (non-condensing)
Temperature	Charging Temperature: 5 - 45 °C (41 - 113 °F), maximum 85% relative humidity (non-condensing) Storage Temperature: -20 - 60 °C (-4 - 140 °F), maximum 85% relative humidity (non-condensing)
Interfaces	Mini USB port
Connector	5-Pin Input Connector: Two M12 connectors for Intellical probes
Power supply	2.5 mm Jack
Data memory	Memory: 1000 measured values (result, date, time, site ID, user ID)
Data storage	Automatic in Press to Read measurement mode. Manual in Continuous measurement mode
Temperature correction	For Intellical Probes: Off, automatic and manual (parameter dependent)
Lock function	For Intellical probes: Press to Read and Continuous measurement mode
Protection class	III
Detector	Silicon photodiode
Measuring mode	Transmittance (%), Absorbance (abs) and Concentration (Conc)
Certifications	CE, UKCA, FCC, ISED, RCM, KC
Warranty	24 months

*Subject to change without notice.

Chemkey Reagents*

Chemkey tests are available for the following parameters and ranges:

Parameter	Measuring range	Quantity	Part number
Free Chlorine	0.04 - 4.00 mg/L Cl ₂	pk/25	9429000
Free Chlorine	0.04 - 4.00 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 - 4.00 mg/L Cl ₂	pk/25	9429400
Nitrite	0.005 - 0.600 mg/L NO ₂ -N	pk/25	9429300
Total Ammonia	0.05 - 1.50 mg/L NH ₃ -N	pk/25	9425200
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 ₃	pk/25	8636100
Alkalinity, LR	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
Peracetic Acid	0.04 - 50.0 mg/L PAA	pk/25	8635200
pH	pH 6.3 - 9.0	pk/25	9759000
Fluoride	0.10 - 4.0 mg/L F	25/pk	9878000
Manganese, HR	0.10 - 25.0 mg/L Mn	25/pk	3007000
Zinc	0.10 - 6.0 mg/L Zn	25/pk	9879000

*Subject to change without notice.



Order Information

Analyser

LPV443.99.11002 SL250 Single-Port Portable Parallel Analyser (PPA)

Optional Accessories

9427900	Chlorine verification Chemkey
9436800	System verification Chemkey
9374200	Car charger for SL1000/SL250 Portable Parallel Analyser
PHC20101	Intellical PHC201 Laboratory General Purposes Gel Filled pH Electrode, 1 m Cable
PHC28101	Intellical PHC281 Laboratory Low Ionic Strengths Refillable pH Electrode, 1 m Cable
CDC40101	Intellical CDC401 Laboratory 4-Poles Graphite Conductivity Cell, 1 m Cable
MTC10101	Intellical MTC101 Laboratory Low Maintenance Gel Filled ORP/RedOx Electrode, 1 m Cable
LDO10101	Intellical LDO101 Laboratory Luminescent/Optical Dissolved Oxygen (DO) Sensor, 1 m Cable
ISENO3181AP	Intellical ISENO318101 Nitrate (NO ₃ ⁻) Ion Selective Electrode (ISE) with Calibration Reagents Pack
ISEF121AP	Intellical ISEF12101 Fluoride (F ⁻) Ion Selective Electrode (ISE) with Calibration Reagents Pack
ISECL181AP	Intellical ISECL18101 Chloride (Cl ⁻) Ion Selective Electrode (ISE) with Calibration Reagents Pack
ISENA381AP	Intellical ISENA38101 Sodium (Na ⁺) Ion Selective Electrode (ISE) with Calibration Reagents Pack
ISENH4181AP	Intellical ISENH418101 Ammonium (NH ₄ ⁺) Ion Selective Electrode (ISE) with Calibration Reagents Pack
1440049	Sodium Chloride Standard Solution, 491 mg/L NaCl (1000 µS/cm), 500 mL
2630020	Chlorine standard solution, 25-30 mg/L Cl ₂
1426810	Chlorine standard solution, 50-75 mg/L Cl ₂
2316949	ZoBell's Standard Solution, 500 mL
2947600	Buffer Solution Kit, Colour-coded, pH 4.01, pH 7.00 and pH 10.01, 500 mL
2522905	Cotton-tipped applicator

Hach Service

With Hach Service, you have a global partner who understands your needs and cares about delivering timely, high-quality service you can trust. Our Service Team brings unique expertise to help you maximise instrument uptime, ensure data integrity, maintain operational stability, and reduce compliance risk.

