PRIMELAB 2.0

THE ULTIMATE PHOTOMETER





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Visit our website
www.primelab.org



PrimeLab 2.0

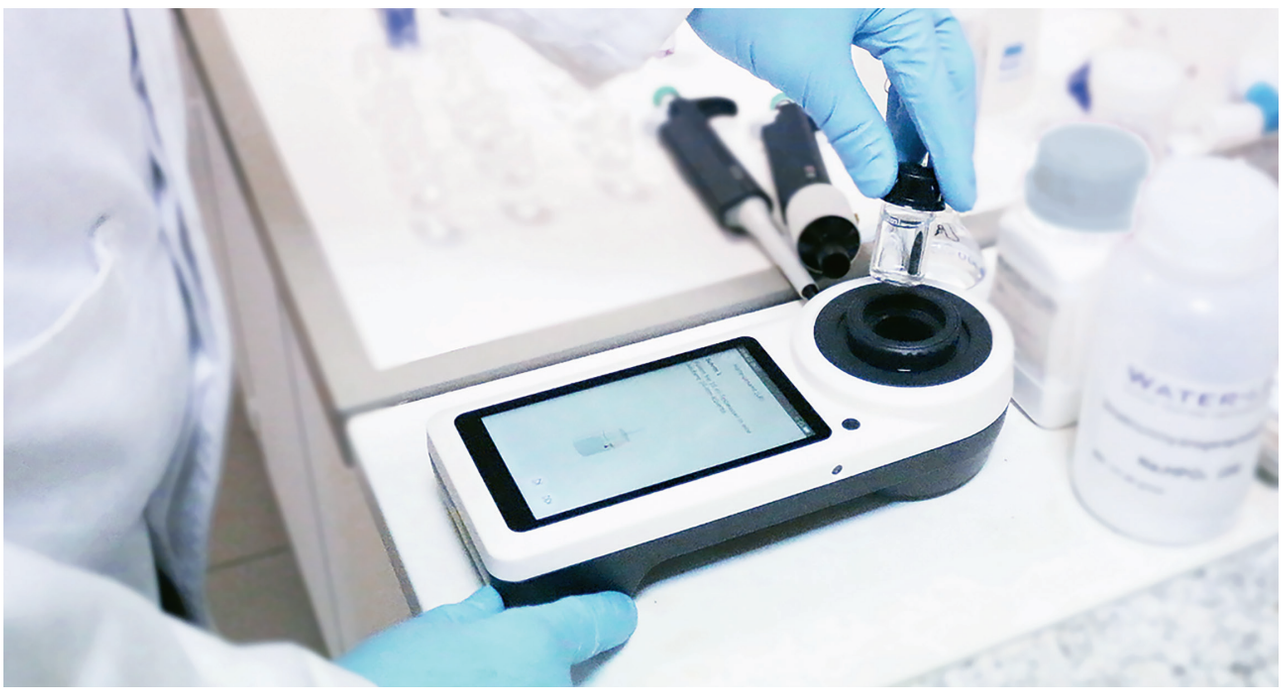
Introduction



- More than 140 parameters
- 18 wavelengths (410–940 nm)
- 5.5" colour HD touch display
- Camera (QR-code scanner)
- USB Type-C*
- WiFi, USB, Cellular**
- Probe-connector (pH|EC|TDS|Temp|ORP)

- Drinking Water
- Laboratories
- Waste Water
- Marine
- boiler water
- Cooling water
- Pools
- Food and beverage

*for charging, data transmission, electrode connection and Cellular modem
**via USB-C Cellular modem



The next generation of photometers – the PrimeLab 2.0, developed by Water-i.d.®
High-precision readings due to 18 different wavelengths, WiFi–USB–GSM** connection, powerful software and app, synchronised via a free cloud service, large HD touch display and the possibility to connect electrodes are just some of the features of the new PrimeLab 2.0, which replaces the proven PrimeLab 1.0.
While conventional photometers only perform tests at selected wavelengths, the Primelab 2.0 can also receive data from different wavelengths in parallel and thus covers the most important parts of the UV and IR range as well as the entire VIS range. Corresponding LEDs are positioned at both 180° and 90° to also allow NTU turbidity, PTSA and fluorescein measurements. Very narrow peaks between 390 and 950 nm enable the most accurate readings, close to the performance of a spectrophotometer.

The highly professional PrimeLab 2.0 firmware interpolates between the different wavelengths, while some parameter curves are set to use multiple wavelengths to obtain the most accurate test results. For each method, there are step-by-step instructions in many different languages as well as useful animations shown on the PrimeLab 2.0 screen and links to user videos to ensure that the correct and proper procedure is followed. Like the PrimeLab 1.0, the PrimeLab 2.0 offers a flexible parametersetupwithalltheoptionstoupgradeasneeded.The PrimeLab 2.0 offers more than 140 different parameters/methods, covering the needs of many different industries. With its built-in camera, the PrimeLab 2.0 will offer the ability to scan QR-codes to identify sampling points set up by the user and to identify reagents with the QR-code on the packaging.

Advantages of these options are:

- Scanning the QR-code of a sampling site ensures that you always link the test results you receive to the correct sampling point. This shortens the testing process as the associated sampling point is automatically selected.

- Scanning QR-codes on reagent packaging prevents the wrong or even expired reagents from being used and speeds up the testing process by pre-selecting the parameter/method.

In addition, the PrimeLab 2.0 is the ultimate in connectivity! With WiFi–USB–GSM**(via USB modem) there are several ways to connect the PrimeLab 2.0 to a smartphone, tablet, computer or directly to the LabCOM® cloud.

*for charging, data transmission, electrode connection and Cellular modem
**via USB-C Cellular modem

Starter Kits



There are four different starter kits available. The accessories of each kit build on the Starter Kit 1. This allows you to easily select the right kit for your required area of application. You can then add the appropriate reagents and parameters as required. So you will simply never need to pay more than you really need!





Starter Kit 1 PL02B	No parameters/methods activated Without reagents
Starter Kit 2 PL02BALL-wo90	All parameters activated **except** Turbidity (NTU)|PTSA|Fluorescein Without reagents
Starter Kit 3 PL02BALL	**All** parameters activated Without reagents
Starter Kit 4 PL02B-TRB	WITH **Turbidity (NTU) only** Without reagents No other parameters|methods activated

PrimeLab 2.0 – Starter Kit accessories

Item-Code	Kit
Starter Kit 1 PL02B	1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer 5.5'' HD–Colour-Touch Display 18 wavelengths-scan (410 – 940 nm) „90° ready" for NTU, PTSA, Fluorescein, Plankton Option of over 140 different parameters (chargeable activation required) 8.400 mAh Li-Ion-battery (built–in) WiFi/USB Type C | GSM (via USB-Type-C Modem) Option to connect Electrodes (via USB Type C plus A/D–changer–Box) Built-in camera to scan QR-codes Self-Calibration-Mode with certificate (via LabCOM® software) „I-OTZ" Intelligent–One–Time–Zero Compatible to the free of charge PrimeLab tools: LabCOM® App| Software|Cloud (Android, iOS, Windows, Mac, Browser) 4 x 24 mm | 10 ml glass-vials with lid (light-shield incorporated into the lid) 1 x Light shield (for 16 mm and 1ml vials as well as check-standards) 1 x 24 mm vial adapter (built–in; exchangeable) 1 x 10.5 cm stirring rod 1 x 10 ml plastic syringe (graduated) 1 x Vial cleaning brush 1 x Microfibre cleaning cloth for vials 1 x Charger with cable (USB–Type–C) 1 x Printed user manual in a ring-binder
Starter Kit 2 PL02BALL-wo90	**Additional To Starter Kit 1** 1 x 16 mm vial adapter 1 x 1 ml semi-micro-vials (rectangle) adapter 1 x Luer lock syringe (20 ml) with adapter for filter holder 1 x Filteradapter for 20ml Luer-Lock-Spritze 1 x Can with 50 filter-papers GF/C (25 mm) 1 x Can with 50 filter-papers 0.4µ (25 mm) 1 x 100 ml can with lid (for dilution)
Starter Kit 3 PL02BALL	**Additional To Starter Kit 1** 1 x 16 mm vial adapter 1 x 1 ml semi-micro-vials (rectangle) adapter 1 x Luer lock syringe (20 ml) with adapter for filter holder 1 x Filteradapter for 20 ml Luer-Lock-Spritze 1 x Can with 50 filter-papers GF/C (25 mm) 1 x Can with 50 filter-papers 0.4µ (25 mm) 1 x 100 ml can with lid (for dilution)
Starter-Kit 4 PL02B-TRB	**Additional To Starter Kit 1** 1 x 1 - 10 ml professional lab pipette with 2 tips 1 x NTU-Turbidity calibration kit. Sealed glass vials with 0.5/10/1000 NTU 1 x Activation Code ID 112 Turbidity


Chlorine (free/combined/total)
Step 1
Fill 10ml test water into a clean 24mm cuvette.

Features


Easily exchangeable adapter for 24 mm, 16 mm and 1ml semi-micro-vials (rectangle)
Extra strong 8400 mAh battery for long runtimes
Camera for scanning QR-codes
USB type C port for charging, data transfer, probe-connection and GSM-modem.
5.5“ colour HD touch-display
4:20 PM
Settings
Connections
WiFi, Bluetooth
Security
Lock screen
Display
Brightness, Homescreen
Sound
Audio settings
General Settings
Language, Date, Time
Device Information
Serial Number, Software Version
PRIMELAB 2.0

Compose your own kit according to your demand and industry. It's that easy:



Basic Kit:

1 x PrimeLab 2.0 photometer
1 x Grey plastic case with foam insert
4 x 24 mm | 10ml glass cuvettes
1 x Light protection cap
1 x 10 ml syringe
1 x Plastic stirring rod
1 x Cleaning brush
1 x DC adapter (110 | 220V) with international plugs & USB cable
1 x Fully printed manual



Parameters:

Select as many parameters/methods as you like from the more than 140 available. Don't worry about missing a parameter, because you can always purchase a code to activate more parameters. The PrimeLab software and app are updated via the internet and always show you the most up-to-date list of available parameters so your PrimeLab always stays up to date!

You can view the latest parameter list at **www.primelab.org**



Reagents | Accessories:

Select reagents according to the selected parameters. Add accessories, e.g. more cuvettes, stirring rods, professional pipettes, adapters for different cuvette sizes and much more.







*via USB Internet stick | Accessories | possibly subject to a charge for connection

18 Wavelength Sensor Technology

UV – VIS – IR peaks at:

410 nm	435 nm	460 nm	485 nm	510 nm	535 nm
560 nm	585 nm	610 nm	645 nm	680 nm	705 nm
730 nm	760 nm	810 nm	860 nm	900 nm	940 nm

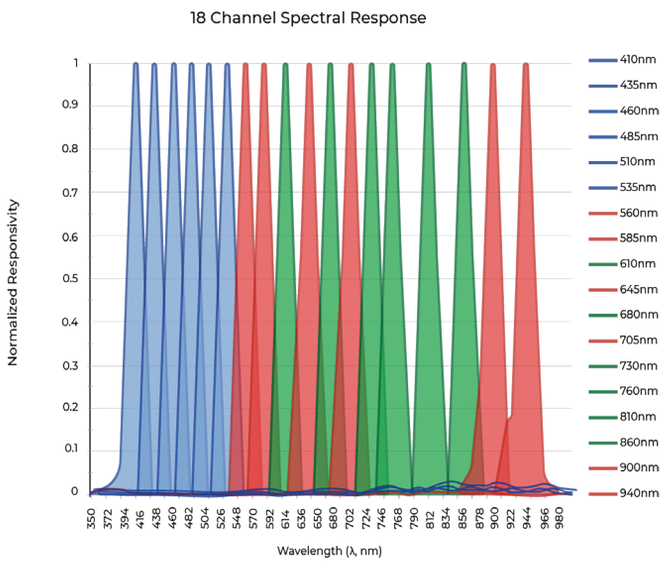




While normal photometers perform tests on one selected wavelength only, the PrimeLab 2.0 can receive data from 18 different wavelengths, covering the key parts of UV and IR section of the spectrum and the full VIS range.

Three sensors, each with six wavelengths, are interconnected together. To enable NTU-Turbidity, Fluorescein and PTSA measurements, corresponding LEDs are set up at an angle of 180° as well as 90°. Very narrow peaks between 390 and 950 nm allow utmost accurate readings, similar to the performance of a spectrophotometer.

The highly professional PrimeLab 2.0 firmware can interpolate between the different wavelength readings, while some of the parameter curves are set to use multiple wavelengths to obtain the most accurate test results.



18 wavelengths throughout the UV - VIS - IR range are covered by sensors used by the PrimeLab 2.0. Narrow peaks on the spectral curve allow utmost accuracy.

DISPLAY

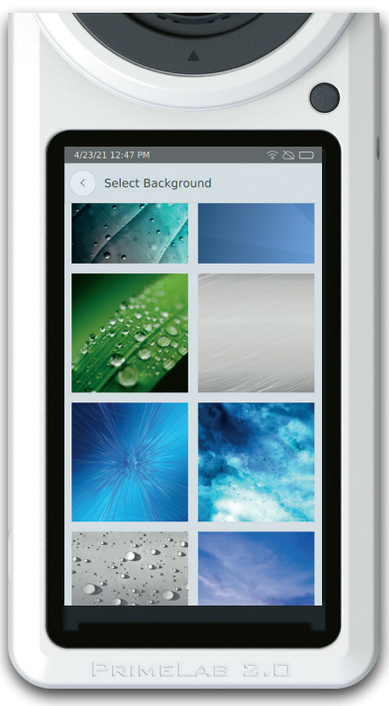

4/23/21 12:58 PM
New Measurement
Main Fleet Galaxy
Andreas
(05) Alkalinity-M
0 - 200
ppm (CaCO3)
0.1
0.5
Water Sample (10.0ml)
Dilution Solution (0.0ml)
Start measurement

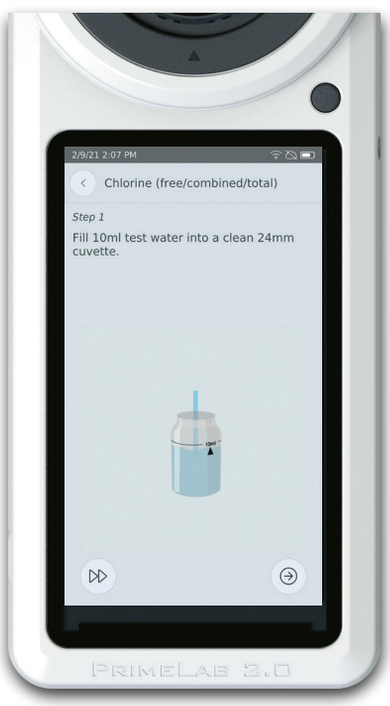


The PrimeLab 2.0 features a state-of-the-art 5.5" colour HD touch display.

The large display gives a perfect overview of all basic information, such as battery status, WiFi, cellular modem and connectivity and offers highest flexibility for you to arrange icons as you would on your smartphone.

Each and every parameter/method comes with step by step instructions in many different languages plus useful animations and links to user videos, ensuring the correct procedure is followed to get the measurement result accurate and correct.
Due to the large 5.5" display, all data can be easily managed on the PrimeLab 2.0.





Adapters for different vials



1 ml semi-micro-vial (rectangle)
(e.g. for Legionella testing)

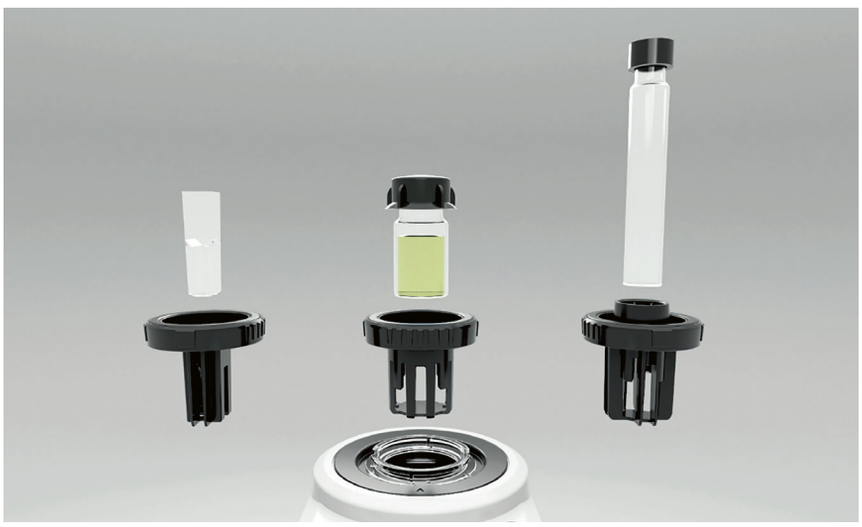
16 mm
(e.g. for COD testing)

24 mm (standard)

The PrimeLab 2.0 uses 24 mm glass vials, 16 mm glass vials and 1 ml semi-micro-vials (rectangle).

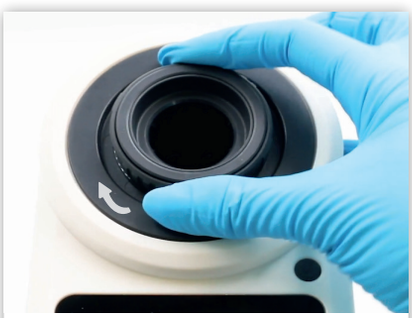
The vial adapter can easily be changed and replaced with a simple, built in, bayonet lock. The same procedure is used for fitting and replacing each adapter (step 1 – 3).

To remove the adapter again, turn it anticlockwise and pull it out. Please make sure to use the lightshield (image on the bottom of the page) when measuring with the 16 mm and 1 ml semi-micro-vial (rectangle) adapter.





Step 1:
Place your chosen adapter in the transparent protective cup of the smartchamber. Push the adapter down to fix it in place.



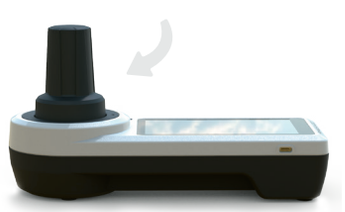
Step 2:
Turn the adapter clockwise until you hear and feel the adapter click into place.



Step 3:
Please make sure that the raised area on the adapter is in line with the traingle*/arrow on the PrimeLab 2.0

Check out our YouTube channel

Lightshield for measuring in the PrimeLab 2.0 with 16 mm and 1ml semi-micro-vials (rectangle)



PrimeLab 2.0
Camera





With the built in camera, the PrimeLab 2.0 gives the option to scan QR-codes to identify sampling points set up by the user and to identify reagents with QR-codes on the package. The advantages of this options are significant:

1. Scanning the QR-code of a sampling point ensures that you always connect the test results obtained to the right sampling point. Rapidly reducing the test process as the related sampling point will be selected automatically, ready for the next measurement.

2. Scanning QR-codes from the reagent's package prevents from ever using wrong or even expired reagents, accelerating the test process by pre-selecting the parameter/method, and being ready for the next measurement.





Connecting PrimeLab 2.0

WiFi | USB | Cellular Modem*





Over time, water testing became much more than just testing. Real-time availability of reliable test results plus data management are as important as the test results itself. As said, the PrimeLab 2.0 is the ultimate choice for connectivity!

WiFi, USB (Type C) and Cellular modem* are available as multiple options to connect the PrimeLab 2.0 with a smartphone, tablet, computer or directly with the LabCOM® Cloud.

Wherever the tests are performed, whether in a lab, on site, on a ship, or in a cooling tower – in fact anywhere – data can easily and automatically be transferred.



*via USB Internet Stick / accessories / may be subject to costs for connection

LabCOM®

Software, App & Cloud



GET IT ON Google Play

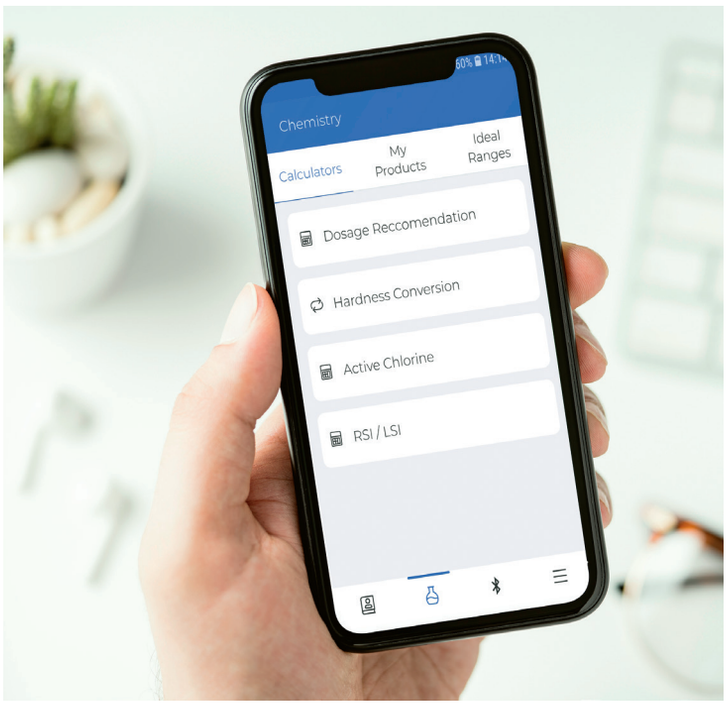
Available on the App Store

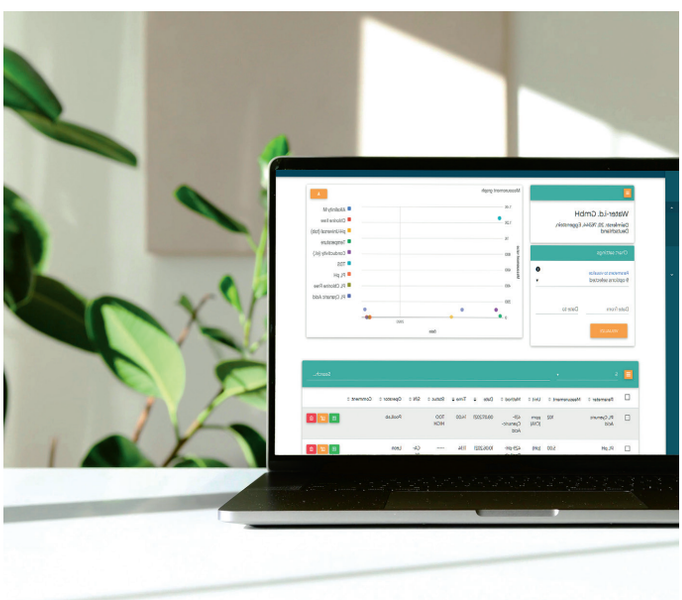
All free of charge!

The most powerful LabCOM® App, Software & Cloud-solution, developed over many years and in use with the PrimeLab 1.0 and with the PoolLab®, also connects and runs with the PrimeLab 2.0.

The PrimeLab 2.0 along with the LabCOM® App and Software allows you to create unlimited users. In addition you can enter individual water treatment chemicals. All these are synchronized via the LabCOM® Cloud. Reports can be created, printed or sent, dose recommendations can be created and statistics can be run.

The featured admin tool allows you to create rules, such as: needs to be tested daily or: test result must be in between... and gives warnings when these rules are broken. With the admin tool, the user also can grant access to other users, such as customers or headquarters, with full flexibility to select what information shall be shared.





The LabCOM® Cloud solution (free of charge) requires less than a minute for registration. It provides full access to all test results, sampling points and individual water treatment chemicals either through a regular internet browser or on a smartphone (Android/iOS), tablet or on a computer (Windows/Mac). Your data is synchronized automatically and instantly available to review.

The LabCOM® Cloud includes the admin-tool to set up rules, run statistics and grant access to selected users.
Once a cloud account is registered (free of charge), test results, administrator settings, rules and reports can be managed online: **https://labcom.cloud**

Flexible
Parameter Setup





Why pay for more parameters than needed?

As with PrimeLab 1.0, the PrimeLab 2.0 is offering a flexible parameter setup with all options to upgrade whenever needed. The PrimeLab 2.0 offers more than 140 different parameters/methods, covering the needs of many different industries. It is rather unlikely that one user will be in need of all parameters offered.

That's why the PrimeLab 2.0 practices fairplay by giving the user the option to choose and pay only for those parameters they really need. This keeps the costs down to a minimum and makes the PrimeLab 2.0 even more convenient to use. Even after purchase, the user has the option to activate additional parameters at any time by just ordering an activation code, to be entered on the PrimeLab 2.0 for instant activation.

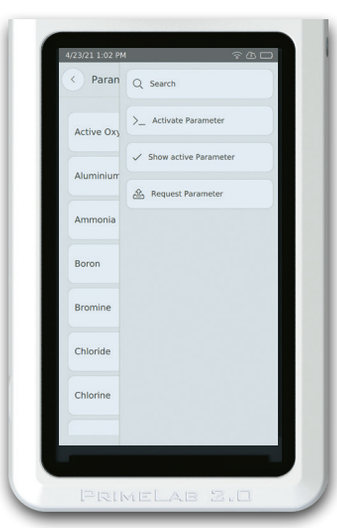
If a PrimeLab 2.0 with all parameters activated is needed there is two options:
1: PrimeLab 2.0 with all parameters activated (PL02BALL)
OR 2: PrimeLab 2.0 with all parameters activated except Turbidity (NTU)|PTSA|Fluorescein (PL02BALL-wo90).

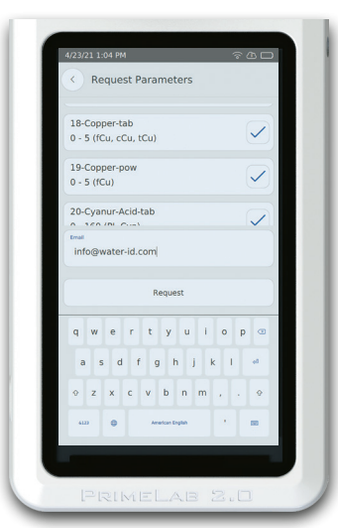
Step 1:
Order the PrimeLab 2.0 Basic Kit in a carrying case with device, lightshield, vials, stirring rod, charger, cleaning brush, microfibre cloth, syringes and full printed user manual.

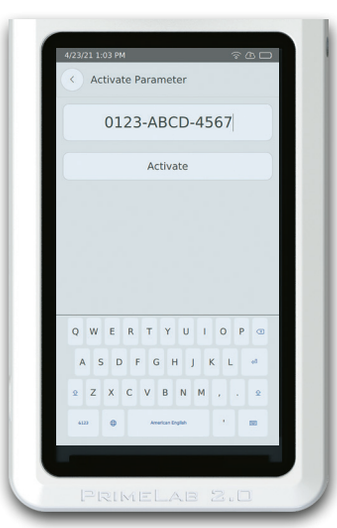
Step 2:
Choose those parameters/methods from the parameter's list, which shall be pre-activated when the PrimeLab 2.0 will be delivered (find the parameter list on p. 56)

Step 3:
Find additional acessories, such as additional vials, pipettes, filter equipment plus reagents according to the parameters selected.

Step 4 (optional):
Order activation codes (at any time) for additional parameters, whenever required. Activate directly on the PrimeLab 2.0 or through the LabCOM® Software/App.







PrimeLab 2.0
Pre-set-kits

Complete packages including reagents and accessories

Flexible Parameters, reagents and accessories to choose out of the kits



The Water-i.d.® PrimeLab 2.0 Pre-set-kits offer complete solutions which include all reagents and accessories for testing the water according to a special application.

Combining the accuracy of the PrimeLab 2.0 photometer with suitable reagents enables the user to be fully equipped for accurate water testing within the framework of the assigned industry.
Each kit can be extended to more than 140 parameters at any time by ordering an activation code.



OVERVIEW

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Pool PrimeLab 2.0 Kit 2 40

Pool PrimeLab 2.0 Kit 2 Pro 42

Cooling Pro Kit 46
PrimeLab 2.0 Marine

PWT Pro Kit 47
PrimeLab 2.0 Marine

Fresh Water Control Kit 48
PrimeLab 2.0 Marine

Grey Water Control Pro Kit 50
PrimeLab 2.0 Marine

SDA Pro Kit 51
PrimeLab 2.0 Marine

SDA Pro Two Kit 52
PrimeLab 2.0 Marine

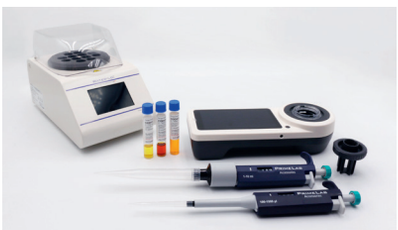
Cat Fines Control Pro Kit 53
PrimeLab 2.0 Marine

Legionella Basic Kit 56

Legionella Professional Kit 58


PhotoLab 2.0
COD
WATER-I.D:

PRIMELAB 2.0 COD KIT (CHEMICAL OXYGEN DEMAND)



Included photometer

Item-Code	Kit
PL02B	The PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer *Complete accessories and description see on page 9 – 12

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar79	COD (LR)	0 – 150 mg/l	prepared vials
PLPar80	COD (MR)	0 – 1500 mg/l	prepared vials
PLPar17	COD (HR)	0 – 15000 mg/l	prepared vials

Can be extended to more than 140 parameters at any time by ordering an activation code.

Included accessories

Item-Code	Accessories
PLSp-CODheatblock-T	Heat block for 12 x 16 mm vials. Temp. 70, 100, 120, 148, 150, 160 °C and user defined. Heating times: 30 min, 60 min, 90 min, 120 min; 200 – 240 VAC 50 Hz; Maximum 350 W
PL2Sp-Adk16	PrimeLab 2.0 adapter to use 16 mm glass vials
PLSp-PIP10ml	10ml pipette (variable volume 1 – 10 ml)
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette
PLSp-PIP1ml	1ml pipette (variable volume 0.1 – 1 ml)
PLSp-PIP1ml-tips10	10 x tips for PLSp-PIP1ml pipette
PLSp-16mmRack	Aluminium test tube rack for holding 12 x 16 mm glass cuvettes

PrimeLab 2.0 Waste Water Kit



Included photometer

Item-Code	Kit
PL02B	The PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer

Complete accessories and description see on page 9 – 12

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar155	Ammonia (HR)	1 – 50 mg/l	prepared vials + powder
PLPar79	COD (LR)	0 – 150 mg/l	prepared vials
PLPar80	COD (MR)	0 – 1500 mg/l	prepared vials
PLPar17	COD (HR)	0 – 15000 mg/l	prepared vials
PLPar169	Nitrate (HR)	1 – 100 mg/l	powder-liquid
PLPar35	Nitrite (LR)	0 – 0.5 mg/l	powder
PLPar152	Nitrogen-Total (HR)	5 – 150 mg/l	prepared vials
PLPar45	Phosophate-ortho (LR)	0 – 4 mg/l	powder-liquid

Can be extended to more than 140 parameters at any time by ordering an activation code.

Included accessories

Item-Code	Accessories
PLSp-CODheatblock-T	Heat block for 12 x 16 mm vials. Temp. 70, 100, 120, 148, 150, 160°C and user defined. Heating times: 30 min, 60 min, 90 min, 120 min; 200 – 240 VAC 50Hz; Maximum 350 W
PL2Sp-Adk16	PrimeLab 2.0 adapter to use 16mm glass vials
PLSp-PIP10ml	10 ml pipette (variable volume 1 – 10 ml)
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette
PLSp-PIP1ml	1 ml pipette (variable volume 0.1 – 1 ml)
PLSp-PIP1ml-tips10	10 x tips for PLSp-PIP1ml pipette
PLSp-16mmRack	Aluminium test tube rack for holding 12 x 16 mm glass cuvettes

PRIMELAB 2.0 DRINKING WATER KIT



Included photometer

Item-Code	Kit
PL02B-TRB	The PrimeLab 2.0 Multitest Photometer: **Starter-Kit WITH Turbidity (NTU)** contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x Grey plastic carrying-case with foam insert 1 x 1 – 10 ml professional lab pipette with 2 tips 1 x NTU-Turbidity calibration kit. Sealed glass vials with 0.5 / 10 / 1000 NTU

Complete accessories and description see on page 9 – 12

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar121	Alkalinity-M (HR)	0 – 500 mg/	tablet
PLPar6	Alkalinity-P	5 – 300 mg/l	tablet
PLPar4	Aluminium	0 – 0.3 mg/l	tablet
PLPar7	Boron	0 – 2 mg/l	tablet
PLPar124	Chloride	0 – 100 mg/l	liquid
PLPar11	Chlorine (free-combined-total)	0.00 – 8.00 mg/l	tablet
PLPar94	Chromium	0 – 2.2 mg/l	tablet
PLPar107	Colour (Hazen/APHA)	15 – 500 mg/l (Pt-Co)	---
PLPar18	Copper	0 – 5 mg/l	tablet
PLPar158	Cyanide	0.01 – 0.50 mg/l	powder-liquid
PLPar180	Fluoride (SPADNS)	0 – 2 mg/l	liquid

Continued →

PrimeLab 2.0 Drinking Water Kit

Continued

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar56/57	Hardness-Total (LR/HR)	2 (20) – 50 (500) mg/l	tablet
PLPar28	Iron (LR)	0 – 1 mg/l	tablet
PLPar31	Manganese	0.2 – 5 mg/l	tablet
PLPar169	Nitrate (HR)	1 – 100 mg/l	powder
PLPar38	pH-value (MR)	6.5 – 8.4 pH	tablet
PLPar54	Sulphate	5 – 100 mg/l	tablet
PLPar112	Turbidity (NTU)	0.5 – 1100 NTU	---
PLPar62	Zinc	0 – 1 mg/l	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Included accessories

Item-Code	Accessories
PLSp-InjFil-1	Luer lock syringe (20 ml) with adapter for filter holder (PLSp-Filtad1)
PLSp-Filtad1	Filter holder to be attached to PLSp-InjFil-1 / to hold 25 mm filter
PLSp-Filt45M	25 mm 0.45 micron filter paper. Can of 50 filter papers
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette
PL2Sp-Vollpip2ml	2 ml bulp-pipette (glass)
PL2Sp-Vollpip2ml-Ball	Pipetting-ball (Peleus ball) for 2 ml bulp-pipette

PRIMELAB 2.0 BOILER WATER KIT



Included photometer

Item-Code	Kit
PL02B	The PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer

Complete accessories and description see on page 9 – 12

Included parameters (these parameters are activated on the included PrimeLab 2.0)

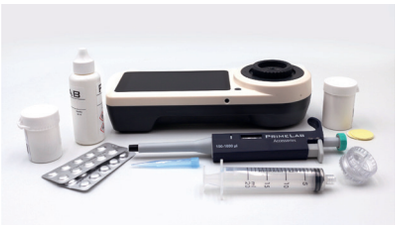
Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar6	Alkalinity-P	5 – 300 mg/l	tablet
PLPar124	Chloride	0 – 100 mg/l	liquid
PLPar56/57	Hardness-Total (LR/HR)	2 (20) – 50 (500) mg/l	tablet
PLPar40	pH-value (LR)	5.2 – 6.8 pH	tablet
PLPar46	Phosphate-ortho	0 – 80 mg/l	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Inclueded accessories

Item-Code	Accessories
PLSp-InjFil-1	Luer lock syringe (20 ml) with adapter for filter holder (PLSp-Filtad1)
PLSp-Filtad1	Filter holder to be attached to PLSp-InjFil-1 / to hold 25 mm filter
PLSp-FiltGFC	25 mm GF/C filter paper. Can of 50 filter papers

PrimeLab 2.0 Cooling Water Kit



Included photometer

Item-Code	Kit
PL02B	PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer

Complete accessories and description see on page 9 – 12

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar8	Bromine	0 – 18 mg/l	tablet
PLPar10	Chloride	0.5 – 25 mg/l	tablet
PLPar78	Hardness-Calcium	0 – 500 mg/l	tablet
PLPar56/57	Hardness-Total (LR/HR)	2 (20) – 50 (500) mg/l	tablet
PLPar28	Iron (LR)	0 – 1 mg/l	tablet
PLPar30	Iron (HR)	0 – 30 mg/l	liquid
PLPar147	Legionella	60 – 1000000 cfu/l	liquid
PLPar134	Molybdate (HR)	0 – 40mg/l	powder
PLPar35	Nitrite (LR)	0 – 0.5 mg/l	powder
PLPar40	pH-value (LR)	5.2 – 6.8 pH	tablet
PLPar41	pH-Universal	5 – 11 pH	tablet
PLPar110	Phosphonate	0 – 20 mg/l	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Continued →

Included accessories

Item-Code	Accessories
PLSp-InjFil-1	Luer lock syringe (20 ml) with adapter for filter holder (PLSp-Filtad1)
PLSp-Filtad1	Filter holder to be attached to PLSp-InjFil-1 / to hold 25 mm filter
PLSp-Filt45M	25 mm 0.45 micron filter paper. Can of 50 filter papers
PLSp-PIP1ml	1 ml pipette (variable volume 0.1 – 1 ml)
PLSp-PIP1ml-tips10	10 x tips for PLSp-PIP1ml pipette
PLSp-FiltGFC	25 mm GF/C filter papers. Plastic can with 50 filter papers.

Pool PrimeLab 2.0 Kit 1



Included photometer

Item-Code	Kit
PL02B-Pool1	Pool-PrimeLab 2.0 Multitest Photometer: **Starter-Kit (5 parameters activated / no reagents)** contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x grey plastic carrying-case with foam insert 4 x 24 mm/10 ml glass-vials with lid (light-shield incorporated into the lid) 1 x light shield (for 16 mm and 1 ml vials as well as check-standards) 1 x 24 mm vial adapter (built-in; exchangeable) 1 x 10.5 cm stirring rod 1 x 10 ml plastic syringe (graduated) 1 x vial cleaning brush 1 x microfibre cleaning cloth for vials 1 x charger with cable (USB-Type-C) 1 x printed user manual in a ring-binder

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar11	Chlorine (free–combined–total)	0.00 – 8.00 mg/l	tablet
PLPar12	Chlorine (free–combined–total)	0.00 – 8.00 mg/l	liquid
PLPar38	pH-value (MR)	6.5 – 8.4 pH	tablet
PLPar39	pH-value (MR)	6.5 – 8.4 pH	liquid

Can be extended to more than 140 parameters at any time by ordering an activation code.

Pool Primelab 2.0 Kit 1 Pro



Included photometer

Item-Code	Kit
PL02B-Pool1-PRO	PrimeLab 2.0 Multitest Photometer: **Starter-Kit (5 parameters activated / no reagents / plus ProbeBOX with pH-electrode)** contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x grey plastic carrying-case with foam insert 4 x 24 mm/10 ml glass-vials with lid (light-shield incorporated into the lid) 1 x light shield (for 16 mm and 1 ml vials as well as check-standards) 1 x 24 mm vial adapter (built-in; exchangeable) 1 x 10.5 cm stirring rod 1 x 10 ml plastic syringe (graduated) 1 x vial cleaning brush 1 x microfibre cleaning cloth for vials 1 x charger with cable (USB-Type-C) 1 x printed user manual in a ring-binder PrimeLab 2.0/ProbeBOX 1.0 Electrode-Starter-Kit "pH / Temp." (Plastic-body) Measurement range: 0.00 – 14.00 pH / 0 – 80°C Automatic Temperature Compensation (ATC) 1 x grey plastic carrying-case with foam insert 1 x "PL2Sp-ElpHPCATC" plastic body pH Electrode 8-Pin-BNC-plug with IC, Cable length = 1 meter 1 x "PL2Sp-PBox" A/D changer-box with BNC-in and USB-Type-C-Out (connection to PrimeLab 2.0) 1 x "PL2Sp-PBoxCable" USB-cable Type-C / Type-C 1 x "PL2Sp-KCl3mol-10" dropper-bottle with 10ml KCl-Electrode-soaking-solution 1 x "EMphbuf400-20" 20ml "pH 4.01" calibration-solution (sachet) 1 x "EMphbuf700-20" 20ml "pH 7.00" calibration-solution (sachet) 1 x "EMphbuf1000-20" 20ml "pH 10.01" calibration-solution (sachet) 1 x printed user manual

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar11	Chlorine (free–combined–total)	0.00 – 8.00 mg/l	tablet
PLPar12	Chlorine (free–combined–total)	0.00 – 8.00 mg/l	liquid
PLPar38	pH-value (MR)	6.5 – 8.4 pH	tablet
PLPar39	pH-value (MR)	6.5 – 8.4 pH	liquid

Can be extended to more than 140 parameters at any time by ordering an activation code.

Pool Primelab 2.0 Kit 2



Included photometer

Item-Code	Kit
PL02B-Pool2	PrimeLab 2.0 Multitest Photometer: **Starter-Kit (35 parameters activated / no reagents)** contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x grey plastic carrying-case with foam insert 10 x 24 mm/10 ml glass-vials with lid (light-shield incorporated into the lid) 1 x light shield (for 16 mm and 1ml vials as well as check-standards) 1 x 24 mm vial adapter (built-in; exchangeable) 2 x 10.5 cm stirring rod 1 x 10 ml plastic syringe (graduated) 1 x vial cleaning brush 1 x microfibre cleaing cloth for vials 1 x charger with cable (USB-Type-C) 1 x printed user manual in a ring-binder

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar1	Active Oxygen (MPS)	0 – 40 mg/l	tablet
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar4	Aluminium	0 – 0.3 mg/l	tablet
PLPar2	Ammonia (LR)	0 – 1 mg/l	powder
PLPar8	Bromine	0 – 18 mg/l	tablet
PLPar63	Bromine	0 – 18 mg/l	liquid
PLPar95	Chloramines	0.00 – 8.00 mg/l	tablet
PLPar10	Chloride	0.5 – 25 mg/l	tablet
PLPar124	Chloride	0 – 100 mg/l	liquid
PLPar11	Chlorine (free-combined-total)	0.00 – 8.00 mg/l	tablet
PLPar12	Chlorine (free-combined-total)	0.00 – 8.00 mg/l	liquid
PLPar14	Chlorine (HR)	5 – 200 mg/l	tablet + powder

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Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar16	Chlorine Dioxide	0 – 15 mg/l	tablet
PLPar64	Chlorine Dioxide	0 – 15 mg/l	liquid
PLPar18	Copper	0 – 5 mg/l	tablet
PLPar20	Cyanuric Acid	2 – 160 mg/l	tablet
PLPar148	Hardness total (HR)	0 – 500 mg/l	liquid
PLPar24	Hydrogen Peroxide (LR)	0 – 3.8 mg/l	tablet
PLPar162	Hydrogen Peroxide (HR)	0 – 200 mg/l	tablet
PLPar28	Iron (LR)	0 – 1 mg/l	tablet
PLPar31	Manganese (LR)	0.2 – 5 mg/l	powder
PLPar169	Nitrate (HR)	1 – 100 mg/l	powder
PLPar35	Nitrite (LR)	0 – 0.5 mg/l	powder
PLPar37	Ozone	0 – 5.4 mg/l	tablet
PLPar92	Ozone	0 – 5.4 mg/l	liquid
PLPar38	pH-value (MR)	6.5 – 8.4	tablet
PLPar39	pH-value (MR)	6.5 – 8.4	liquid
PLPar43	PHMB	2 – 60 mg/l	tablet
PLPar44	Phosphate-ortho (LR)	0 – 4 mg/l	tablet + powder
PLPar46	Phosphate-ortho (HR)	0 – 80 mg/l	tablet + powder
PLPar48	Potassium	0.7 – 12 mg/l	tablet
PLPar54	Sulphate	5 – 100 mg/l	powder
PLPar120	Urea	0.1 – 2.5 mg/l	tablet + powder
PLPar62	Zinc	0 – 1 mg/l	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Pool Primelab 2.0 Kit 2 Pro



Included photometer

Item-Code	Kit
PL02B-Pool2-Pro	PrimeLab 2.0 Multitest Photometer: **Starter-Kit (35 parameters activated / no reagents / plus ProbeBOX 1.0 with pH-electrode)** contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x grey plastic carrying-case with foam insert 10 x 24 mm/10 ml glass-vials with lid (light-shield incorproated into the lid) 1 x light shield (for 16 mm and 1ml vials as well as check-standards) 1 x 24 mm vial adapter (built-in; exchangeable) 2 x 10.5 cm stirring rod 1 x 10 ml plastic syringe (graduated) 1 x vial cleaning brush 1 x microfibre cleaning brush 1 x charger with cable (USB-Type-C) 1 x printed user manual in a ring-binder PrimeLab 2.0/ProbeBOX 1.0 Electrode-Starter-Kit "pH / Temp." (Plastic-body) Measurement range: pH 0.00 – 14.00 / 0 – 80 °C Automatic Temperature Compensation (ATC) 1 x grey plastic carrying-case with foam insert 1 x "PL2Sp-ElpHPCATC" plastic body pH Electrode 8-Pin-BNC-plug with IC, Cable length = 1 meter 1 x "PL2Sp-PBox" A/D changer-box with BNC-in and USB-Type-C-Out (connection to PrimeLab 2.0) 1 x "PL2Sp-PBoxCable" USB-cable Type-C / Type-C 1 x "PL2Sp-KCl3mol-10" dropper-bottle with 10ml KCl-Electrode-soaking-solution 1 x "EMphbuf400-20" 20 ml "pH 4.01" calibration-solution (sachet) 1 x "EMphbuf700-20" 20 ml "pH 7.00" calibration-solution (sachet) 1 x "EMphbuf1000-20" 20 ml "pH 10.01" calibration-solution (sachet) 1 x printed user manual

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Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar1	Active Oxygen (MPS)	0 – 40 mg/l	tablet
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar4	Aluminium	0 – 0.3 mg/l	tablet
PLPar2	Ammonia (LR)	0 – 1 mg/l	powder
PLPar8	Bromine	0 – 18 mg/l	tablet
PLPar63	Bromine	0 – 18 mg/l	liquid
PLPar95	Chloramines	0.00 – 8.00 mg/l	tablet
PLPar10	Chloride	0.5 – 25 mg/l	tablet
PLPar124	Chloride	0 – 100 mg/l	liquid
PLPar11	Chlorine (free-combined-total)	0.00 – 8.00 mg/l	tablet
PLPar12	Chlorine (free-combined-total)	0.00 – 8.00 mg/l	liquid
PLPar14	Chlorine (HR)	5 – 200 mg/l	tablet + powder
PLPar16	Chlorine Dioxide	0 – 15 mg/l	tablet
PLPar64	Chlorine Dioxide	0 – 15 mg/l	liquid
PLPar18	Copper	0 – 5 mg/l	tablet
PLPar20	Cyanuric Acid	2 – 160 mg/l	tablet
PLPar148	Hardness total (HR)	0 – 500 mg/l	liquid
PLPar24	Hydrogen Peroxide (LR)	0 – 3.8 mg/l	tablet
PLPar162	Hydrogen Peroxide (HR)	0 – 200 mg/l	tablet
PLPar28	Iron (LR)	0 – 1 mg/l	tablet
PLPar31	Manganese (LR)	0.2 – 5 mg/l	powder

Can be extended to more than 140 parameters at any time by ordering an activation code.

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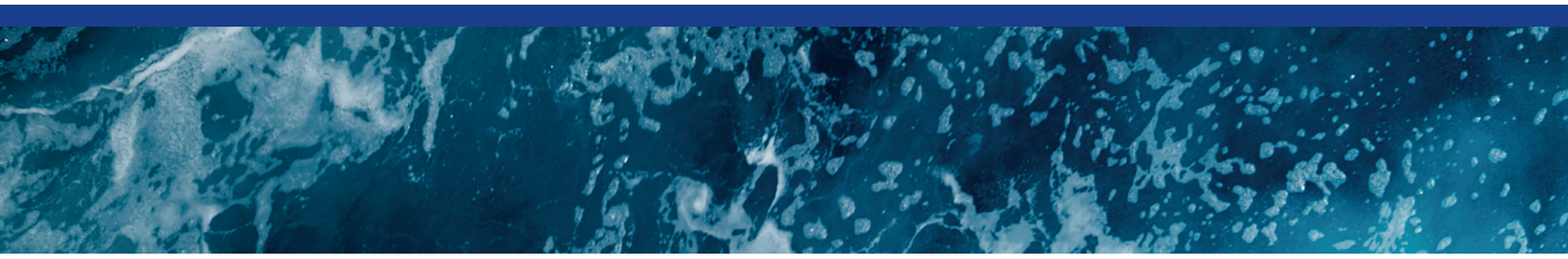
Pool Primelab 2.0 Kit 2 Pro

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Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar169	Nitrate (HR)	1 – 100 mg/l	powder
PLPar35	Nitrite (LR)	0 – 0.5 mg/l	powder
PLPar37	Ozone	0 – 5.4 mg/l	tablet
PLPar92	Ozone	0 – 5.4 mg/l	liquid
PLPar38	pH-value (MR)	6.5 – 8.4	tablet
PLPar39	pH-value (MR)	6.5 – 8.4	liquid
PLPar43	PHMB	2 – 60 mg/l	tablet
PLPar44	Phosphate-ortho (LR)	0 – 4 mg/l	tablet + powder
PLPar46	Phosphate-ortho (HR)	0 – 80 mg/l	tablet + powder
PLPar48	Potassium	0.7 – 12 mg/l	tablet
PLPar54	Sulphate	5 – 100 mg/l	powder
PLPar120	Urea	0.1 – 2.5 mg/l	tablet + powder
PLPar62	Zinc	0 – 1 mg/l	tablet





PrimeLab 2.0 Marine Cooling Pro Kit

Included photometer

Item-Code	Kit
PL02B	The PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer

Complete accessories and description see on page 9 – 12

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar5	Alkalinity-M	5 – 200 mg/l	Tablets
PLPar10	Chloride	0.5 – 25 mg/l	Tablets
PLPar78	Hardness-Calcium	0 – 500 mg/l	Tablets
PLPar56/57	Hardness-Total (LR/HR)	2(20) – 50(500) mg/l	Tablets
WIDmar HSRAEU	Legionella	60 – 1000000 cfu/l	Test panel, External Test
PLPar35	Nitrite (LR)	0 – 0.5 mg/l	Powder
PLPar40	pH-value (LR)	5.2 – 6.8 pH	Tablets
PLPar41	pH-Universal	5 – 11 pH	Tablets

Can be extended to more than 140 parameters at any time by ordering an activation code.



PrimeLab 2.0 Marine PWT Pro Kit

Included photometer

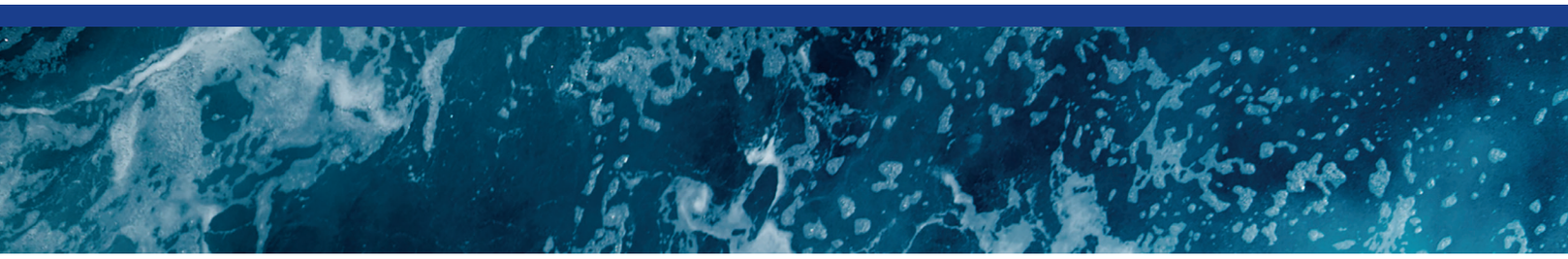
Item-Code	Kit
PL02B-TRB	The PrimeLab 2.0 Multitest Photometer: **Starter-Kit WITH Turbidity (NTU)** contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x Grey plastic carrying-case with foam insert 1 x 1 – 10 ml professional lab pipette with 2 tips 1 x NTU-Turbidity calibration kit. Sealed glass vials with 0.5 / 10 / 1000 NTU

Complete accessories and description see on page 9 – 12

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar121	Alkalinity–M (HR)	0 – 500 mg/	Tablets
PLPar6	Alkalinity–P	5 – 300 mg/l	Tablets
PLPar4	Aluminium	0 – 0.3 mg/l	Tablets
HAT-CHLTest	Chloride	30 – 600 mg/l	Test strips; External test
PLPar11	Chlorine (free-combined-total)	0.00 – 8.00 mg/l	Tablets
PLPar107	Colour (Hazen/APHA)	15 – 500 mg/l (Pt–Co)	--
PLPar18	Copper	0 – 5 mg/l	Tablets
PLPar56/57	Hardness-Total (LR/HR)	2(20) – 50(500) mg/l	Tablets
PLPar28	Iron (LR)	0 – 1 mg/l	Tablets
PLPar31	Manganese	0.2 – 5 mg/l	Tablets
PLPar169	Nitrate (HR)	1 – 100 mg/l	Powder
PLPar38	pH–value (MR)	6.5 – 8.4 pH	Tablets
PLPar54	Sulphate	5 – 100 mg/l	Tablets
PLPar62	Zinc	0 – 1 mg/l	Tablets

Can be extended to more than 140 parameters at any time by ordering an activation code.



PrimeLab 2.0 Marine Fresh Water Control Kit

Included photometer

Item-Code	Kit
PL02B-TRB	The PrimeLab 2.0 Multitest Photometer: **Starter-Kit WITH Turbidity (NTU)** contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x Grey plastic carrying-case with foam insert 1 x 1 – 10ml professional lab pipette with 2 tips 1 x NTU-Turbidity calibration kit. Sealed glass vials with 0.5/10/1000 NTU *Complete accessories and description see on page 9 – 10

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
IDX-Entero-USA-TDA	Bacteria: Enterococci	--	Beaker
BactD006	Bacteria: Pseudomonas species and Coliforms	--	Dipslide
BactD005	Bacteria: E.coli, Pseudomonas Aeruginosa and Total Viable Count (Total Heterotrophic Bacteria)	--	Dipslide
WIDmar-legio-risk-EU	Legionella	100 – 100000 cfu/l	Testcard
TbsPTAHR50	Alkalinity-M (HR)	0 – 500 mg/l	Tablet
TbsPAP50	Alkalinity-P tablet	5 – 300 mg/l	Tablet
PL65Chloride1/2	Chloride	0 – 100 mg/l	Liquid
TbsPD150/PD350	Chlorine (free-combined-total)	0.00 – 8.00 mg/l	Tablet
-	Colour (Hazen/APHA)	15 – 500 mg/l	--
TbsHCu150/Cu250	Copper	0 – 5 mg/l	Tablet

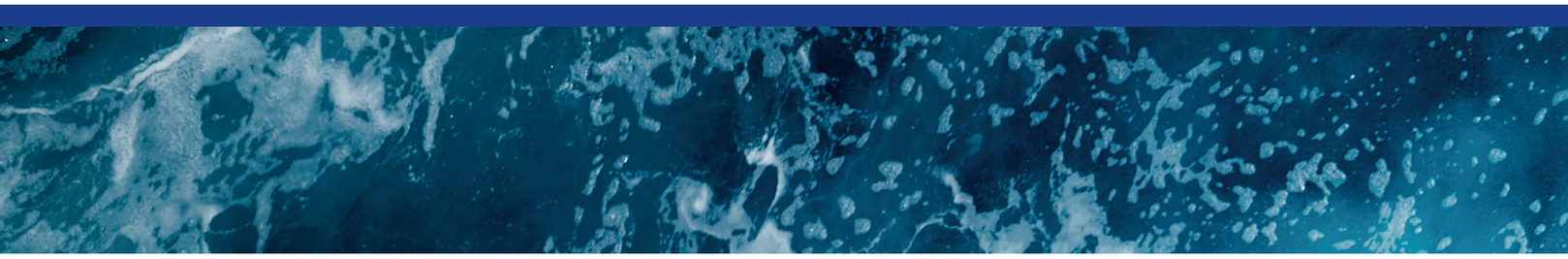
Can be extended to more than 140 parameters at any time by ordering an activation code.

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Item-Code	Parameter	Measurement Range	Type Of Reagent
PL30DO1/D02/D03	Dissolved Oxygen	0 – 10 mg/l	Liquid
TbsPTH50	Hardness-Total (LR/HR)	2 (20) – 50 (500) mg/l	Tablet
ppFerVer1	Iron total	0 – 3 mg/l	Powder
PPPNiLR50/HR150	Nitrite (LR)	0 – 0.5 mg/l	Tablet
TbsPNiHR250	Nitrite (HR)	0 – 1500 mg/l	Tablet
TbsPpH50	pH-value (MR)	6.4 – 8.4	Tablet
PPHPPLR150/R250	Phosphate-ortho (LR)	0 – 4 mg/l	Tablet
PL25SiILR1/LR2	Silica (LR)	0 – 5 mg/l	Liquid
PPPSiILR350	Silica (LR)	0 – 5 mg/l	Powder
TbsPCZ50	Zinc	0 – 1 mg/l	Tablet



PrimeLab 2.0 Marine Grey Water Control Pro Kit

Included photometer

Item-Code	Kit
PL02B	The PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer *Complete accessories and description see on page 9 – 10
PLSp-16mmRack	1 x Aluminium test tube Rack for holing 12 x 16 mm glass cuvettes

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
FT6012	pH [electronic meter]	0 – 14	--
FT7021	Conductivity [electronic meter]	0.0 – 2000.0 µS/cm	--
PLPar155	Ammonia (HR)	1 – 50 mg/l	Prepared vials + powder
PLPar79	COD (LR)	0 – 150 mg/l	Prepared vials
PLPar80	COD (MR)	0 – 1500 mg/l	Prepared vials
PLPar17	COD (HR)	0 – 15000 mg/l	Prepared vials
PLPar169	Nitrate (HR)	1 – 100 mg/l	Powder-liquid
PLPar35	Nitrite (LR)	0 – 0.5 mg/l	Tablet
PLPar152	Nitrogen-Total (HR)	5 – 150 mg/l	Prepared vials
PLPar45	Phosophate-ortho (LR)	0 – 4 mg/l	Powder-liquid

Can be extended to more than 140 parameters at any time by ordering an activation code.



PrimeLab 2.0 Marine SDA Pro Kit

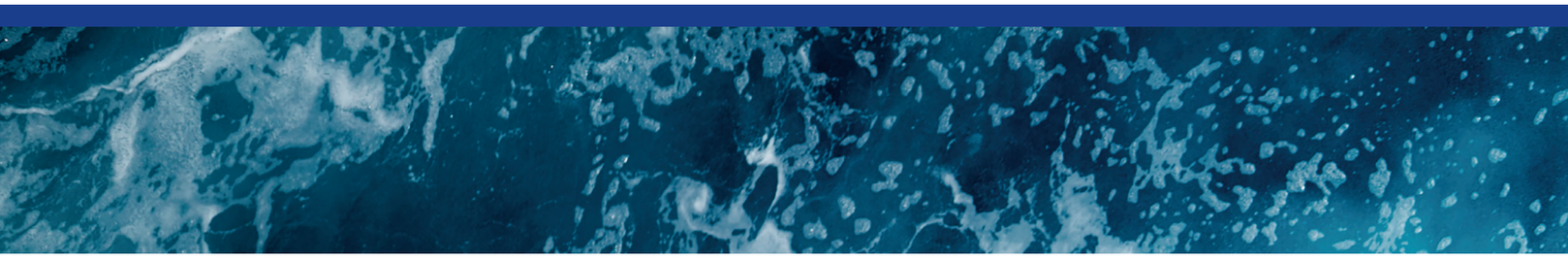
Included photometer

Item-Code	Kit
PL02Bmar	The PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer 1 x Direct displacement pipette 10 x Pipette tips 0,1 ml [glass, reusable] 5.5“ HD–Colour-Touch Display 16 wavelengths-scan (410 – 940 nm) „90° ready“ for NTU, PTSA, Fluorescein, Plankton Option of over 140 different parameters (chargeable activation required) 8.400 mAh Li-Ion-battery (built–in) WiFi/USB Type C | GSM (via USB-Type-C Modem) Option to connect Electrodes (via USB Type C plus A/D–changer–Box) Built-in camera to scan QR-codes Self-Calibration-Mode with certificate (via LabCOM® software) „I-OTZ“ Intelligent–One–Time–Zero Compatible to the free of charge PrimeLab tools: LabCOM® App| Software|Cloud (Android, iOS, Windows, Mac, Browser) 4 x 24 mm| 10ml glass-vials with lid (light-shield incorporated into the lid) 1 x Light shield (for 16 mm and 1 ml vials as well as check-standards) 1 x 24 mm vial adapter (built–in; exchangeable) 1 x 10.5 cm stirring rod 1 x 10 ml plastic syringe (graduated) 1 x Vial cleaning brush 1 x Microfibre cleaning cloth for vials 1 x Charger with cable (USB–Type–C) 1 x Printed user manual in a ring-binder

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar171	Iron-in-Oil (Fe^{2+})	20 – 450 mg/l	Tablet + Liquid

Can be extended to more than 140 parameters at any time by ordering an activation code.



PrimeLab 2.0 Marine SDA Pro Two Kit*

Included photometer

Item-Code	Kit
PL02Bmar	The PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer 1 x Direct displacement pipette 10 x Pipette tips 0,1ml [glass, reusable] 5.5“ HD–Colour-Touch Display 16 wavelengths-scan (410 – 940 nm) „90° ready“ for NTU, PTSA, Fluorescein, Plankton Option of over 140 different parameters (chargeable activation required) 8.400 mAh Li-Ion-battery (built–in) WiFi/USB Type C | GSM (via USB-Type-C Modem) Option to connect Electrodes (via USB Type C plus A/D–changer–Box) Built-in camera to scan QR-codes Self-Calibration-Mode with certificate (via LabCOM® software) „I-OTZ“ Intelligent–One–Time–Zero Compatible to the free of charge PrimeLab tools: LabCOM® App| Software|Cloud (Android, iOS, Windows, Mac, Browser) 4 x 24 mm|10 ml glass-vials with lid (light-shield incorporated into the lid) 1 x Light shield (for 16 mm and 1 ml vials as well as check-standards) 1 x 24 mm vial adapter (built–in; exchangeable) 1 x 10.5 cm stirring rod 1 x 10 ml plastic syringe (graduated) 1 x Vial cleaning brush 1 x Microfibre cleaning cloth for vials 1 x Charger with cable (USB–Type–C) 1 x Printed user manual in a ring-binder

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar171	Iron-in-Oil (Fe^{2+})	20 – 450 mg/l	Tablet + Liquid
PLPar187	Copper-in-Oil	0 – 50 mg/l	Tablet + Liquid

Can be extended to more than 140 parameters at any time by ordering an activation code.
*Coming soon: Available in II/22



PrimeLab 2.0 Marine Cat Fines Control Pro Kit*

Included photometer

Item-Code	Kit
PL02Bmar	The PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer 1 x Direct displacement pipette 10 x Pipette tips 0,1 ml [glass, reusable] 5.5“ HD–Colour-Touch Display 16 wavelengths-scan (410 – 940 nm) „90° ready“ for NTU, PTSA, Fluorescein, Plankton Option of over 140 different parameters (chargeable activation required) 8.400 mAh Li-Ion-battery (built–in) WiFi/USB Type C | GSM (via USB-Type-C Modem) Option to connect Electrodes (via USB Type C plus A/D–changer–Box) Built-in camera to scan QR-codes Self-Calibration-Mode with certificate (via LabCOM® software) „I-OTZ“ Intelligent–One–Time–Zero Compatible to the free of charge PrimeLab tools: LabCOM® App| Software|Cloud (Android, iOS, Windows, Mac, Browser) 4 x 24 mm|10 ml glass-vials with lid (light-shield incorporated into the lid) 1 x Light shield (for 16 mm and 1 ml vials as well as check-standards) 1 x 24 mm vial adapter (built–in; exchangeable) 1 x 10.5 cm stirring rod 1 x 10 ml plastic syringe (graduated) 1 x Vial cleaning brush 1 x Microfibre cleaning cloth for vials 1 x Charger with cable (USB–Type–C) 1 x Printed user manual in a ring-binder

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter	Measurement Range	Type Of Reagent
WIDmar-ALU50	Aluminium-in-Oil	1 – 100 ppm	Tablets
WIDmar-SIL50	Silica-in-Oil	1 – 100 ppm	Powder

Can be extended to more than 140 parameters at any time by ordering an activation code.
*Available in II/2022

Legionella Test-Kits

Kit-Features:

- 1-Hour Legionella spp. Test
- Detects only living Legionella
- Quantitative 60-10^6 CFU
- AOAC Certified
- All-in-one case



- Laboratories
- Marine
- boiler water
- Cooling water



Water-i.d.® introduces a patented method to test viable Legionella Sp. in just one hour without the need to let bacteria grow!
Legionella bacteria, in special Legionella pneumorphila serogroup 1, is a harmful threat with a mortality rate of up to 30%. Once Legionella are inhaled (droplets in the air), they grow in human lungs and can cause Pontiac fever or even Pneumonia (Legionnaire's disease). The issue with current method (culture) is that it takes up to 14 days to let Legionella grow on a petri dish to be visble and countable, which is far too long to allow effective actions.

Legipid® on PrimeLab 2.0 takes a different approach:
As with the culture method, 1 litre of water is filtered to collect the Legionella. After the Legionella are released from the filter, a patented reagent is added that contains micro-bits with a magnetic core covered with an antibody. Only living Legionella spp. (no false positives!) are captured by the antibodies. After several washing steps, a colour tracer, also linked to an antibody, is added, which binds with the Legionella spp. already bound to the micro-bit.



This makes viable Legionella visible (pink colour) to be detected by the PrimeLab 2.0.

The PrimeLab measures the colour and converts it to 60 – 10^6 Colony Founding Units (CFU). As the PrimeLab is connected via WiFi to a free software and app, both of which are synchronised via the cloud, reporting is very easy.

Item-Code	Description
LGP-10	Kit to perform max. 9 tests (1 control per batch)
LGP-20	Kit to perform max. 19 tests (1 control per batch)
LGP-40	Kit to perform max. 39 tests (1 control per batch)
LGP-100	Kit to perform max. 99 tests (1 control per batch)

PrimeLab 2.0 legionella basic kit

Included photometer

Item-Code	Kit
PL02B	The PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer

Complete accessories and description see on page 9 – 12

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter
PLPar147	ID 147 | Legionella | 60 - 1000000 cfu/l | liquid | Resolution 1
LGP-10	Kit to perform max. 9 tests (1 control / batch): 1 x bottle (110 ml) “L0 Diluent“ 10 x single-doses (each 1 ml) “L1 Capture Reagent“ 1 x bottle (200 ml) “L2 Washing buffer“ 10 x single-doses (each 1 ml) “L3 Enzyme-labeled anti-Legionella“ 5 x tetra dose (each 5 ml) “L4 Enzyme-co-substrates“ 1 x bottle (2 ml) “L5 Stopping reagent“ 5 x disposable pipette 10 x 1 ml CB cuvette 10 x 9 ml MHCB cuvette

Can be extended to more than 140 parameters at any time by ordering an activation code.

Included accessories

Item-Code	Accessories
LG-MP4-rack	1 x Rack with magnet to hold 4 MHCB cuvettes, to be used as single or with LG-MP4 agitator
LG-MP4-tblcl	1 x table cloth for MP4 to avoid magnet interferences between several MP4 used parallel
PL2Sp-AdkEp	PrimeLab 2.0 adapter to use rectangle 1 ml Eppendorf-vials

Item-Code	Accessories
PLSp-LG-ELF10	10 x 60 ml Elution Flask
LG-Fil-Prof	Professional filter equipment: 1 x Vacuum pump 1 x filtration funnel 1 x glass collect bottle 1000ml 1 x tweezers 1 x scissor 10 x elution flasc
LG-Fil-GFC	GF/C (Pre-) filter (47 mm diameter): 100 x filter papers GF/C for LP-Fil-Prof
LG-Fil-40M	0.40µ Polycarbonate filter (47 mm diameter): 100 x filter papers 0.40µ for LP-Fil-Prof
LG-Ref	Levertest. Legionella pneumophila sg1 positive control

PrimeLab 2.0 legionella professional kit

Included photometer

Item-Code	Kit
PL02B	The PrimeLab 2.0 Multitest Photometer **Starter-Kit** contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer

Complete accessories and description see on page 9 – 12

Included parameters (these parameters are activated on the included PrimeLab 2.0)

Item-Code	Parameter
PLPar147	ID 147 | Legionella | 60-1000000 cfu/l | liquid | Resolution 1
LGP-100	„Kit to perform max. 99 tests (1 control / batch): 1 x bottle (1050 ml) “L0 Diluent“ 1 x bottle (105 ml) “L1 Capture Reagent“ 2 x bottles (each 940 ml) „“L2 Washing buffer“ 1 x bottle (105 ml) “L3 Enzyme-labeled anti-Legionella“ 35 x tetra dose (each 5 ml) „“L4 Enzyme-co-substrates“ 1 x bottle (11 ml) “L5 Stopping reagent“ 100 x 1 ml CB cuvette 100 x 9 ml MHCB cuvette

Can be extended to more than 140 parameters at any time by ordering an activation code.

Included accessories

Item-Code	Accessories
PLSp-PIP10ml	10 ml pipette (variable volume 1-10 ml)
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette
PLSp-PIP1ml	1 ml pipette (variable volume 0.1-1 ml)
PLSp-PIP1ml-tips10	10 x tips for PLSp-PIP1ml pipette

Item-Code	Accessories
PL2Sp-AluCase-Legi	PrimeLab 2.0 aluminium-trolley with foam inserts (matches Legipid filterkit in lower compartment)
LG-MP4	„MP4 Multitest agitator - KIT: 1 x Automatic agitator to place 20 x MHCB cuvettes at a time, which can (1 control / batch) 1 x LG-MP4-AGT multitest agitator 5 x LG-MP4-IHMHCB insertable holder for MHCB cuvettes 5 x LG-MP4-rack magnetic holder for MHCB cuvettes 5 x LG-MP4-BB box bracket 1 x LG-MP4-TC table cloth 1 x LG-MP4-PLT platform
PL2Sp-AdkEp PLSp-LG-ELF100 LG-Fil-Prof	PrimeLab 2.0 adapter to use rectangle 1ml Eppendorf-vials 100 x 60 ml Elution Flask Professional filter equipment: 1 x Vacuum pump 1 x filtration funnel 1 x glass collect bottle 1000ml 1 x tweezers 1 x scissor 10 x elution flasc
LG-Fil-GFC	GF/C (Pre-) filter (47 mm diameter): 100 x filter papers GF/C for LP-Fil-Prof
LG-Fil-40M	0.40µ Polycarbonate filter (47 mm diameter): 100 x filter papers 0.40µ for LP-Fil-Prof
LG-Ref	Levertest. Legionella pneumophila sg1 positive control

Electrochemistry



- Various Electrodes for electrochemical measurement
- pH | conductivity | TDS | ORP | Temp.
- ProbeBOX 1.0 for connecting electrodes to the PrimeLab 2.0 or to a smartphone
- Data management via LabCOM®
- User-Guided Calibrations
- Automatic detection of the connected ProbeBOX and electrode

- Drinking Water
- Laboratories
- Waste Water
- Marine
- boiler water
- Cooling water
- Pools
- Food processing

With the ProbeBOX 1.0, you can convert your PrimeLab 2.0 or your (Android) smartphone into a benchtop meter and enter the world of electrochemistry.

The ProbeBOX 1.0 is connected to the PrimeLab 2.0 or an Android smartphone via a USB cable. The PrimeLab 2.0 and the free LabCOM app for your smartphone immediately recognise the ProbeBOX 1.0 and the connected electrode so that either calibration (1-/2-/3-point calibration) or direct measurement is possible.

Both the PrimeLab 2.0 and the LabCOM app save the measurement results in relation to the measurement source and, if required, make them available online in real time via the LabCOM Cloud so that the data can also be accessed via the LabCOM software or the LabCOM website.

The ProbeBOX 1.0 connects high-quality electrodes for measuring pH, ORP, conductivity, TDS and temperature.



OVERVIEW

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pH, ORP, EC

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ProbeBOX 1.0 Electrode-Basic-Kit "pH"

Parameter: pH
Measurement Range: pH 0 – 14
Resolution: pH 0.01
Temperature Range: 0 – 80°C ATC



Included content

Item-Code	Kit
PL2Sp-ElpHPCATC-Kit	1 x Grey carrying case with foam insert 1 x "PL2Sp-ElpHPCATC" Plastic Body pH Electrode. Designed for general water solutions' pH measurement in scientific research, environmental monitoring, and quality control. Ideal for both lab and in-field use. (Not suitable for strong base solution (pH>12), erosive solutions, or constant testing in high temprature (> 60 °C)). Non refillable. 1 x "Pl2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Typ e-C-OUT to connect pH Electrode with PrimeLab 2.0 Photometer or (Android) Smartphone 1 x "PL2Sp-KCl3mol-10" dropper bottle with 10ml KCl-electrode soaking solution

Included calibration solutions

Item-Code	Kit
EMphbuf400-20	1 x 20 ml "pH 4.00" calibration solution
EMphbuf700-20	1 x 20 ml "pH 7.00" calibration solution
EMphbuf1000-20	1 x 20 ml "pH 10.00" calibration solution

Included accessories

Item-Code	Kit
PL2Sp-PboxCable	1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C
--	1 x User manual

ProbeBOX 1.0 Electrode-Basic-Kit "pH-Glass Electrode"

Parameter: pH
Measurement Range: pH 0 – 14
Resolution: pH 0.01
Temperature Range: 0 – 80°C ATC

Included content

Item-Code	Kit
PL2Sp-ElpHGLATC-Kit	1 x Grey carrying case with foam insert 1 x "PL2Sp-ElpHGLATC" Routine Sealed Glass Body pH Electrode. Designed for general water solutions' pH measurement in scientific research, environmental monitoring, and quality control. Ideal for both lab and in-field use. (Not suitable for strong base solution (pH > 12), erosive solutions, or constant testing in high temprature (> 60 °C)). Non refillable. 1 x "Pl2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect pH Electrode with PrimeLab 2.0 Photometer or (Android) Smartphone 1 x "PL2Sp-KCl3mol-10" dropper bottle with 10ml KCl-electrode soaking solution

Included calibration solutions

Item-Code	Kit
EMphbuf400-20	1 x 20 ml "pH 4.00" calibration solution
EMphbuf700-20	1 x 20 ml "pH 7.00" calibration solution
EMphbuf1000-20	1 x 20 ml "pH 10.00" calibration solution

Included accessories

Item-Code	Kit
PL2Sp-PboxCable	1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C
--	1 x User manual

ProbeBOX 1.0 Electrode-Kit "refillable pH-Glass Electrode"

Parameter: pH
Measurement Range: pH 0 – 14
Resolution: pH 0.01
Temperature Range: -5 – 100°C ATC

Included content

Item-Code	Kit
PL2Sp-ElpHGLrefATC-Kit	1 x Grey carrying case with foam insert 1 x "PL2Sp-ElpHGLrefATC" Refillable Glass pH Electrode. Designed for general water solutions, TRIS Buffer compatible. Suitable applicaitons: hydroponics, pools and spas, environmental monitoring, aquaculture, aquariums, education, general purpose labtest, body fluid, Tris Buffer, Beverage, Wine, Beer, Salt Water, High Temperature Solutions (up to 100 °C). 1 x "Pl2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect pH Electrode with PrimeLab 2.0 Photometer or (Android) Smartphone 1 x "PL2Sp-KCl3mol-10" dropper bottle with 10ml KCl-electrode soaking solution

Included calibration solutions

Item-Code	Kit
EMphbuf400-20	1 x 20 ml "pH 4.00" calibration solution
EMphbuf700-20	1 x 20 ml "pH 7.00" calibration solution
EMphbuf1000-20	1 x 20 ml "pH 10.00" calibration solution

Included accessories

Item-Code	Kit
PL2Sp-PboxCable	1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C
--	1 x User manual

ProbeBOX 1.0 Electrode-Basic-Kit "ORP"

Parameter: ORP
Measurement Range: ±2000 mV
Resolution: 1 mV
Temperature Range: 0 – 80°C

Included content

Item-Code	Kit
PL2Sp-EIORPPCATC-Kit	1 x Grey carrying case with foam insert 1 x "PL2Sp-EIORPPCATC" Plastic Body ORP Electrode for faster respond. The gel inner reference solution does not need to be refilled. This electrode is designed for testing in general water solutions both in-lab or in-field. Comes with Φ 0.8*3 mm platinum disc. Non refillable. 1 x "Pl2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect ORP probe with PrimeLab 2.0 Photometer or (Android) Smartphone 1 x "PL2Sp-KCl3mol-10" dropper bottle with 10ml KCl-electrode soaking solution

Included calibration solutions

Item-Code	Kit
EMorpbuf468-20	1 x 20 ml "ORP +468mV" calibration solution

Included accessories

Item-Code	Kit
PL2Sp-PboxCable	1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C
--	1 x User manual

ProbeBOX 1.0 Electrode-Basic-Kit "EC"

Parameter: EC/TDS
Measurement Range: 0 – 200 mS/cm;
0 – 100 g/l (0 – 100 ppt)*
Resolution: 1 µS/cm
Temperature Range: 0 – 50°C ATC

*If the TDS conversion factor is set to the default value of 0.5

Included content

Item-Code	Kit
PL2Sp-EIECLRPCATC-Kit	1 x Grey carrying case with foam insert 1 x "PL2Sp-EIECLRPCATC" Plastic Body – Conductivity Electrode. Designed for high-accuracy in a wide range of conductivity measurements (0 to 200 mS/cm). (K = 1.0). 1 x "Pl2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect EC probe with PrimeLab 2.0 Photometer or (Android) Smartphone

Included calibration solutions

Item-Code	Kit
EMecbuf1413-20	1 x 20 ml "EC 1413 µS/cm" calibration solution
EMecbuf1288-20	1 x 20 ml "EC12.88 mS/cm" (KCl 0.1 mol/l) calibration solution

Included accessories

Item-Code	Kit
PL2Sp-PboxCable	1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C
--	1 x User manual

ProbeBOX 1.0 Electrode-Kit "Purified Water EC Probe"

Parameter: EC/TDS
Measurement Range: 0 – 200 µS/cm;
0 – 100 mg/l (0 – 100 ppm)*
Resolution: 1 µS/cm
Temperature Range: 0 – 50°C ATC

*If the TDS conversion factor is set to the default value of 0.5

Included content

Item-Code	Kit
PL2Sp-ElECLRGL-Kit	1 x Grey carrying case with foam insert 1 x "PL2Sp-ElECLRGL" Glass Body – Pure Water Conductivity Electrode. Conductivity Electrode (K = 0.1) is designed for purified water and ultra-pure water conductivity measurements. Electrode size: 7×18 mm platinum. 1 x "Pl2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect EC probe with PrimeLab 2.0 Photometer or (Android) Smartphone

Included calibration solutions

Item-Code	Kit
EMecbuf84-100	1 x 100 ml "EC 84 µS/cm" calibration solution

Included accessories

Item-Code	Kit
PL2Sp-PboxCable	1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C
--	1 x User manual

ProbeBOX 1.0 Electrode-Kit "Glass EC Probe"

Parameter: EC/TDS
Measurement Range: 0 – 200 mS/cm;
0 – 100 g/l (0 – 100 ppt)*
Resolution: 1 µS/cm
Temperature Range: 0 – 80°C ATC

*If the TDS conversion factor is set to the default value of 0.5

Included content

Item-Code	Kit
PL2Sp-EIECHRGLATC-Kit	1 x Grey carrying case with foam insert 1 x "PL2Sp-EIECHRGLATC" Glass Body – Conductivity Electrode (K=1.0). Designed for high-accuracy laboratory conductivity measurements. Ist cavity structure and platinum chip sensor design enhance the accuracy and stability of conductivity measurement in the range of 0 to 200mS/cm. The glass body is resistant to all kinds of general chemical corrosion. Electrode size: 5*7 mm platinum plate/ 2 pole. 1 x "Pl2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect EC probe with PrimeLab 2.0 Photometer or (Android) Smartphone

Included calibration solutions

Item-Code	Kit
EMecbuf1413-20	1 x 20 ml "EC 1413 µS/cm" calibration solution
EMecbuf1288-20	1 x 20 ml "EC12.88 mS/cm" (KCl 0.1 mol/l) calibration solution

Included accessories

Item-Code	Kit
PL2Sp-PboxCable	1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C
--	1 x User manual

ProbeBOX 1.0 Electrode-Kit "High Range EC Probe"

Parameter: EC/TDS
Measurement Range: 20 – 2000 mS/cm;
10 – 1000 g/l (10 – 1000 ppt)*
Resolution: 1 µS/cm
Temperature Range: 0 – 50°C ATC

*If the TDS conversion factor is set to the default value of 0.5

Included content

Item-Code	Kit
PL2Sp-EIECHRPCATC-Kit	1 x Grey carrying case with foam insert 1 x "PL2Sp-EIECHRPCATC" Plastic Body – Conductivity Electrode. Designed for high-range (K = 10)conductivity measurement . Electrode size: 5*5 mm platinum ring/ 2 pole. 1 x "PI2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect EC probe with PrimeLab 2.0 Photometer or (Android) Smartphone

Included calibration solutions

Item-Code	Kit
EMecbuf1413-20	1 x 20 ml "EC 1413 µS/cm" calibration solution
EMecbuf1288-20	1 x 20 ml "EC12.88 mS/cm" (KCl 0.1 mol/l) calibration solution

Included accessories

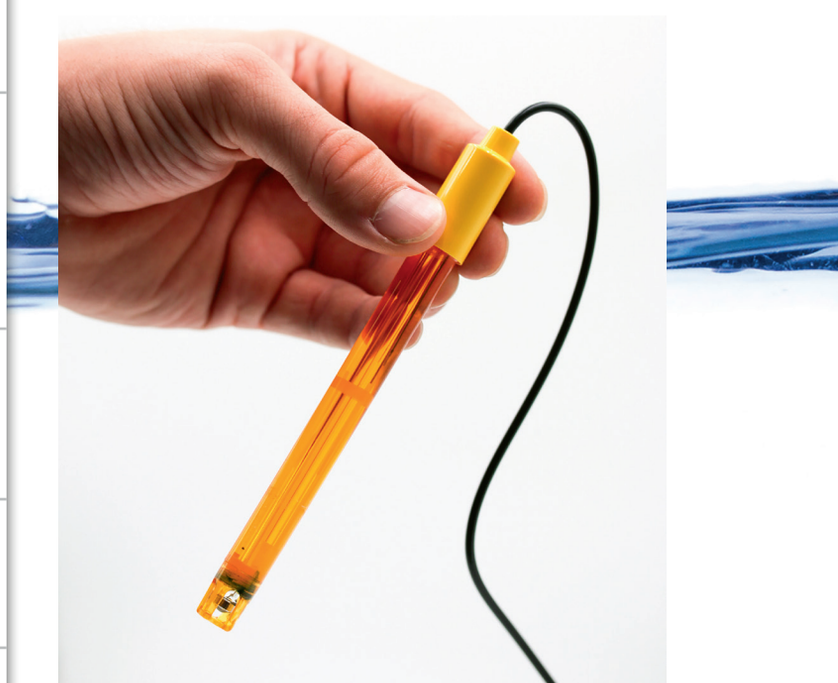
Item-Code	Kit
PL2Sp-PboxCable	1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C
--	1 x User manual

Water-I.D.® Electrodes for the ProbeBOX 1.0

Item-Code	Parameter	Description
PL2Sp-ElpHPCATC	pH	**Plastic Body pH Electrode.** Designed for general water solutions' pH measurement in scientific research, environmental monitoring, and quality control. Ideal for both lab and in-field use. (Not suitable for strong base solution (pH>12), erosive solutions, or constant testing in high temprature (> 60 °C)). Non refillable.
PL2Sp-ElpHGLATC	pH	**Routine Sealed Glass Body pH Electrode.** Designed for general water solutions' pH measurement in scientific research, environmental monitoring, and quality control. Ideal for both lab and in-field use. (Not suitable for strong base solution (pH > 12), erosive solutions, or constant testing in high temprature (> 60 °C)). Non refillable.
PL2Sp-ElpHGLrefATC	pH	**Refillable Glass pH Electrode.** Designed for general water solutions, TRIS Buffer compatible. Suitable applicaitons: hydroponics, pools and spas,environmental monitoring, aquaculture, aquariums, education, general purpose labtest, body fluid, Tris Buffer, Beverage, Wine, Beer, Salt Water, High Temperature Solutions (up to 100 °C).
PL2Sp-ElORPPCATC	ORP	**Plastic Body ORP Electrode** for faster respond. The gel inner reference solution does not need to be refilled. This electrode is designed for testing in general water solutions both in-lab or in-field. Comes with Φ 0.8*3 mm platinum disc. No temperature reading!
PL2Sp-ElECLRGL	EC	**Glass Body – Pure Water Conductivity Electrode.** Conductivity Electrode (K = 0.1) is designed for purified water and ultra-pure water conductivity measurements. Electrode size: 7×18 mm platinum.
PL2Sp-ElECHRGLATC	EC	**Glass Body – Conductivity Electrode** (K=1.0). Designed for high-accuracy laboratory conductivity measurements. Its cavity structure and platinum chip sensor design enhance the accuracy and stability of conductivity measurement in the range of 0 to 200mS/cm. The glass body is resistant to all kinds of general chemical corrosion. Electrode size: 5*7 mm platinum plate/ 2 pole.
PL2Sp-ElECLRPCATC	EC	**Plastic Body – Conductivity Electrode.** Designed for high accuracy in a wide range of conductivity measurements (0 to 200 mS/cm). (K = 1.0).
PL2Sp-ElECHRPCATC	EC	**Plastic Body – Conductivity Electrode.** Designed for high-range (K = 10) conductivity measurement . Electrode size: 5*5 mm platinum ring/ 2 pole.

*If the TDS conversion factor in the PrimeLab 2.0 is set to the default value of 0.5

	Temp. Range	Range	Resolution
	0 – 80 °C ATC	(0 – 14) pH	0.01 pH
	0 – 80 °C ATC	(0 – 14) pH	0.01 pH
	-5 – 100 °C ATC	(0 – 14) pH	0.01 pH
	0 – 80 °C	±2000 mV	1 mV
	0 – 80 °C ATC	0 ~ 200 µS/cm 0 – 100 mg/l (0 – 100 ppm)*	1 µS/cm
	0 – 50 °C ATC	0 – 200 mS/cm 0 – 100 g/l (0 – 100 ppt)*	1 µS/cm
	0 – 50 °C ATC	0 – 200 mS/cm 0 – 100 g/l (0 – 100 ppt)*	1 µS/cm
	0 – 80 °C ATC	20 – 2000 mS/cm 10 – 1000 g/l (10 – 1000 ppt(*	1 µS/cm



ACCESSORIES & SPARES

ProbeBOX 1.0 Accessories	
Item-Code	Item Description
Pl2Sp-Pbox	**ProbeBOX 1.0 (Probe Connecter)** A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect all electronic probes to the PrimeLab 2.0 or a (Android) Smartphone. Included in all kits.
PL2Sp-PboxCable	**USB-cabel for the ProbeBOX 1.0** 1 meter. Type-C / Type-C.



Probe Accessories	
Item-Code	Item Description
Pl2Sp-Probe-Holder	**PrimeLab 2.0 Electrode-holder** For 3 electrodes (16 mm), with cable duct. Additional opening for temperature sensor. Three joints for high flexibility and adjustment options.
PL2Sp-Probe-Stirrer	**PrimeLab 2.0 magnetic-stirrer** For stirring quantities up to 1 liter. Variable speed from 0 – 2500 rpm. White top plate suitalble for observing colour reactions. 110/220 V power supply with plugs for EU/CH/UK/USA.



Electrolyte-Solutions	
Item-Code	Item Description
EMKCL3Mbuf-500	**Electrolyte-Solution** "KCl 3 mol/l", 500 ml bottle
EMKCL3Mbuf-1000	**Electrolyte-Solution** „KCl 3 mol/l“, 1000 ml bottle
EMKCL3Mbuf-10000	**Electrolyte-Solution** „KCl 3 mol/l“, 10 liter cubitainer

Calibration Solutions

Item-Code*	Item Description	20 ml	100 ml	250 ml	500 ml	1 l	10 l
EMpHbuf168	"pH 1.68" calibrtion solution		•		•	•	•
EMpHbuf200	"pH 2.00" calibrtion solution		•		•	•	•
EMpHbuf300	"pH 3.00" calibrtion solution		•		•	•	•
EMpHbuf400	"pH 4.00" calibrtion solution	•	•		•	•	•
EMpHbuf600	"pH 6.00" calibrtion solution		•		•	•	•
EMpHbuf700	"pH 7.00" calibrtion solution	•	•		•	•	•
EMpHbuf800	"pH 8.00" calibrtion solution		•		•	•	•
EMpHbuf100	"pH 10.00" calibrtion solution	•	•		•	•	•
EMpHbuf1100	"pH 11.00" calibrtion solution		•		•	•	•
EMpHbuf1200	"pH 12.00" calibrtion solution		•		•	•	•
EMpHbuf1300	"pH 13.00" calibrtion solution		•		•	•	•
EMtdsbuf1382	"TDS 1382 ppm" calibrtion solution	•	•		•	•	•
EMtdsbuf644	"TDS 6.44 ppt" calibrtion solution	•	•		•	•	•
EMecbuf1413	"EC 1413 µS/cm" calibrtion solution	•	•		•	•	•
EMecbuf1288	"12.88 mS/cm" (KCl 0.1 mol/l) cal. sol.	•	•		•	•	•
EMorpbuf220	"±468 mV" calibrtion solution	•	•		•	•	•
EMorpbuf468	"±220 mV" calibrtion solution			•			

*The item-code varies, depending on the volume (e.g. 20 ml of pH 7.00 calibration solution = EMpHbuf700-20)

Item-Code	Item Description
EMECbuf1288-20-25GEN	25 Pack: 20 ml sachet EC-calibration-solution 12.88 mS/cm.
EMECbuf1288-20-25WID	25 Pack (Water-i.d.® display): EC-calibration-solution 12.88 mS/cm. Sachet with 20 ml.
EMORPbuf468-20-25WID	25 Pack (Water-i.d.® display): ORP (Redox)-calibration-solution +468mV. Sachet with 20 ml.
EMpHbuf400-20-25WID	25 Pack (Water-i.d.® display): pH-calibration-solution 4.00 (± 0.02 pH). Sachet with 20 ml.
EMpHbuf700-20-25WID	25 Pack (Water-i.d.® display): pH-calibration-solution 7.00 (± 0.02 pH). Sachet with 20 ml.
EMpHbuf1000-20-25WID	25 Pack (Water-i.d.® display): pH-calibration-solution 10.01 (± 0.03 pH). Sachet with 20 ml.
EMtdsbuf1382-20-25WID	25 Pack (Water-i.d.® display): TDS-calibration-solution 1382 ppm. Sachet with 20 ml.
EMtdsbuf644-20-25WID	25 Pack (Water-i.d.® display): TDS-calibration-solution 6.44 ppt. Sachet with 20 ml.
EMecbuf1413-20-25WID	25 Pack (Water-i.d.® display): EC-calibration-solution 1413 µS/cm. Sachet with 20 ml.

PrimeLab 2.0 – List Of Parameters

Parameter	Measurement Range	Resolution	Parameter ID	Item-Code Parameter	
Active Oxygen (MPS)	0 – 40 mg/l	0.1	01	PLPar1	
Alkalinity–M	5 – 200 mg/l	1	05	PLPar5	
Alkalinity–M (HR)	0 – 500 mg/l	1	121	PLPar121	
Alkalinity–P	25 – 300 mg/l	1	06	PLPar6	
Aluminium	0 – 0.3 mg/l	0.01	04	PLPar4	
Ammonia (LR)	0 – 1 mg/l	0.01	02	PLPar2	
Ammonia (HR)	1 – 50 mg/l	0.1	155	PLPar155	
Boron	0 – 2 mg/l	0.1	07	PLPar7	
Bromine	0 – 18 mg/l	0.01	08	PLPar8	
Bromine	0 – 18 mg/l	0.01	63	PLPar63	
Bromine	0 – 4.5 mg/l	0.01	128	PLPar128	
Carbohydrazide	0 – 1.3 mg/l	0.01	71	PLPar71	
Chloramines	0.00 – 8.00 mg/l	0.01	95	PLPar95	
Chloride	0.5 – 25 mg/l	0.1	10	PLPar10	
Chloride	0 – 100 mg/l	0.1	124	PLPar124	



Reagent(s) (No. Of Tests)	Type Of Reagent	Item-Code Reagents
DPD N°4	Tablet	TbsPD4
Alkalinity-M	Tablet	TbsPTA
Alkalinity-M-HR	Tablet	TbsPTAHR
Alkalinity-P	Tablet	TbsPAP
Aluminium N°1 Aluminium N°2	Tablet Tablet	TbsHALM1 TbsPALM2
Ammonia N°1 Ammonia N°2 Ammonia Sea-Water cond.	Powder Pillow Powder Pillow Powder Pillow	PPHAM1 PPPAM2 PPHAMsw
50 Ammonia HR vial 50 Ammonia Salicylate F5 Powder Pack 50 Ammonia Cyanurate F5 Powder Pack 100ml deionised water	Kit	PL155-kit
Boron N°1 (25 tests) Boron N° 2	Tablet Tablet	TbsHBO1 TbsPBO2
DPD N°1 Glycine	Tablet Tablet	TbsPD1 TbsHGC
PL DPD 1 A (250/541 tests) PL DPD 1 B (250/541 tests) PL DPD Nitrite Powder (285 tests)	Liquid Liquid Powder	PL30DPD1A/PL65DPD1A PL30DPD1B/PL65DPD1B PLpow20DPDNitr
DPD N°1	Powder Pillow	PPPD150
PL Oxy. Scav. N°1 (270 tests) PL Oxy. Scav. N°2 (65 tests)	Liquid Liquid	PL65OxyScav1 PL65OxyScav2
DPD N°1 Photometer DPD N°2 Photometer DPD N°3 Photometer	Tablet Tablet Tablet	TbsPD1 TbsPD2 TbsPD3
Chloride N°1 Chloride N°2	Tablet Tablet	TbsHCRD1 TbsPCRD2
PL Chloride N°1 (108 tests) PL Chloride N°2 (108 tests)	Liquid Liquid	PL65Chloride1 PL65Chloride2

PrimeLab 2.0 – List Of Parameters

Parameter	Measurement Range	Resolution	Parameter ID	Item-Code Parameter
Chlorine (Tablet method)	0.00 – 8.00 mg/l Cl_2	0.01	11	PLPar11
Chlorine (Liquid method)	0.00 – 4.00 mg/l Cl_2	0.01	12	PLPar12
Chlorine (Powder method)	0.00 – 8.00 mg/l Cl_2	0.01	129	PLPar129
Chlorine (HR) (KI) (Powder method)	5 – 200 mg/l Cl_2	1	14	PLPar14
Chlorine (HR) (KI) (Liquid method)	0 – 200 mg/l Cl_2	1	15	PLPar15
Chlorine (MR)	0.00 – 10.00 mg/l Cl_2	0.01	122	PLPar122
Chlorine Dioxide (Tablet method)	0.00 – 15.00 mg/l ClO_2	0.01	16	PLPar16
Chlorine Dioxide (Liquid method)	0.00 – 7.60 mg/l ClO_2	0.01	64	PLPar64
Chlorine Dioxide (Powder method)	0.00 – 15.00 mg/l ClO_2	0.01	130	PLPar130
Chlorite	0.00 – 8.00 mg/l ClO_2^-	0.01	106	PLPar106
Chromium (Powder + Liquid)	0.00 – 1.00 mg/l Cr^{3+}	0.01	103	PLPar103
Chromium (Tablet + Powder Pillow)	0.00 – 2.20 mg/l Cr^{3+}	0.01	94	PLPar94
COD (LR)	0 – 150 mg/l O_2	1	79	PLPar79
COD (MR)	0 – 1500 mg/l O_2	1	80	PLPar80
COD (HR)	0 – 15000 mg/l O_2	1	17	PLPar17
Colour (Hazen/APHA)	15 – 500 mg/l Pt-Co	1	107	PLPar107
Copper (Tablet method)	0.00 – 5.00 mg/l Cu^{2+}	0.01	18	PLPar18



Reagent(s) (No. Of Tests)	Type Of Reagent	Item-Code Reagents
DPD N°1 Photometer DPD N°3 Photometer	Tablets Tablets	TbsPD1 TbsPD3
DPD 1A DPD 1B DPD 3C	Liquid Liquid Liquid	PL30DPD1A PL30DPD1B PL30DPD3C
DPD N°1 Photometer	Powder	PPPD150
Chlorine HR (KI) Acidifying GP	Powder Pillow Powder Pillow	PPPClHR PPHAFG
PL Chlorine HR N°1 PL Chlorine HR N°2	Liquid Liquid	PL65ClHR1 PL30ClHR2
DPD N°1 MR Photometer DPD N°3 MR Photometer	Tablets Tablets	TbsPD1MR TbsPD3MR
DPD N°1 Photometer Glycine	Tablets Tablets	TbsPD1 TbsHGC
DPD 1A DPD 1B PL DPD Glycine	Liquid Liquid Liquid	PL30DPD1A PL30DPD1B PL30DPDGlycine
DPD N°1 Photometer Glycine	Powder Pillow Tablets	PPPD1 TbsHGC
DPD 1A DPD 1B DPD 3C PL DPD Glycine PL DPD Acidifying PL DPD Neutralising	Liquid Liquid Liquid Liquid Liquid Liquid	PL30DPD1A PL30DPD1B PL30DPD3C PL DPD Glycine PL DPD Acidif PL DPD Neutr
PL Chromate 1 PL Chromate 2	Powder Liquid	PLpowChromate1 PL65Chromate2
Chromium N°1 Photometer Chromium N°2 Photometer	Tablets Powder Pillow	TbsHChro1 PPPChro2
Prepared vials	Tube Test	COD-79-LR
Prepared vials	Tube Test	COD-80-MR
Prepared vials	Tube Test	COD-17-HR
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Copper N°1 Photometer Copper N°2 Photometer	Tablets Tablets	TbsHCu1 TbsPCu2

PrimeLab 2.0 – List Of Parameters

Parameter	Measurement Range	Resolution	Parameter ID	Item-Code Parameter	
Copper (Powder method)	0.00 – 5.00 mg/l Cu^{2+}	0.01	19	PLPar19	
Cyanide	0.01 – 0.50 mg/l CN^-	0.01	158	PLPar 158	
Cyanuric Acid	0 – 160 mg/l Cya	1	20	PLPar20	
DBNPA (Tablet method)	0.00 – 13.00 mg/l DBNPA	0.01	82	PLPar82	
DBNPA (Liquid method)	0.00 – 13.00 mg/l DBNPA	0.01	65	PLPar65	
DEHA	20 – 1000 µg/l DEHA	1	21	PLPar21	
DEWAN-50	0 – 300 mg/l DW50	1	109	PLPar109	
Dissolved Oxygen	0.0 – 10.0 mg/l O_2	0.1	163	PLPar163	
Erythorbic Acid	0.00 – 3.50 mg/l Ery. A.	0.01	70	PLPar70	
Fluorescein	0 – 500 µg/l Fluoresc.	1	113	PLPar113	
Fluoride (SPADNS)	0.00 – 2.00 mg/l F^-	0.01	72	PLPar72	
Hardness Calcium (Tablet method)	0 – 500 mg/l $CaCO_3$	1	78	PLPar78	
Hardness Calcium (Liquid method)	0 – 500 mg/l $CaCO_3$	1	166	PLPar166	
Hardness Calcium (HR)	50 – 1000 mg/l $CaCO_3$	1	09	PLPar09	
Hardness Total (LR)	2.0 – 50.0 mg/l $CaCO_3$	0.1	56	PLPar56	
Hardness Total (HR) (Tablet method)	20 – 500 mg/l $CaCO_3$	1	57	PLPar57	
Hardness Total (HR) (Liquid method)	0 – 500 mg/l $CaCO_3$	1	148	PLPar148	
Hydrazine	5 – 600 mg/l N_2H_2	1	23	PLPar23	
Hydrocarbons in Methanol (tank wash)	yes/no	--	160	PLPar160	



Reagent(s) (No. Of Tests)	Type Of Reagent	Item-Code Reagents
PL Copper N°1	Powder	PLpow20Cu1
PL Cyanide-11 PL Cyanide-12 PL Cyanide-13	Powder Powder Liquid	PL158-kit
CYA-Test Photometer	Tablets	TbsPCAT
DPD N°1 Photometer DPD N°3 Photometer	Tablets Tablets	TbsPD1 TbsPD3
DPD 1A DPD 1B DPD 3C	Liquid Liquid Liquid	PL30DPD1A PL30DPD1B PL30DPD3C
PL Oxygen Scavenger N°1 PL Oxygen Scavenger N°2	Liquid Liquid	PL65OxyScav1 PL65OxyScav2
Available via DINAX: www.dinax.hu	Liquid	PL-DX DEWAN-50
PL Dissolved Oxygen N°1 PL Dissolved Oxygen N°2 PL Dissolved Oxygen N°3	Liquid Liquid Liquid	PL30DO1 PL30DO2 PL30DO3
PL Oxygen Scavenger N°1 PL Oxygen Scavenger N°2	Liquid Liquid	PL65OxyScav1 PL65OxyScav2
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PL SPADNS Fluoride Reagent	Liquid	PL100SPADNSF
Calcium Hardness N°1 Photometer Calcium Hardness N°2 Photometer	Tablets Tablets	TbsHCH1 TbsPCH2
PL Calcium Hardness 1 PL Calcium Hardness 2	Liquid Liquid	POL20CH1 POL20CH2
Calcium Hardness Photometer	Tablets	TbsPCH
Total Hardness Photometer	Tablets	TbsPTH
Total Hardness Photometer	Tablets	TbsPTH
PL Total Hardness N°1 Liquid PL Total Hardness N°2 Liquid	Liquid Liquid	PL20TH1 PL10TH2
PL Hydrazine N°1	Liquid	PL65Hydraz1
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PrimeLab 2.0 – List Of Parameters

Parameter	Measurement Range	Resolution	Parameter ID	Item-Code Parameter
Hydrogen Peroxide (LR) (Tablet method)	0.00 – 3.80 mg/l H_2O_2	0.01	24	PLPar24
Hydrogen Peroxide (LR) (Liquid method)	0.00 – 1.90 mg/l H_2O_2	0.01	66	PLPar66
Hydrogen Peroxide (HR) (Tablet + Powder Pillow)	0 – 200 mg/l H_2O_2	1	162	PLPar162
Hydrogen Peroxide (HR) (Liquid method)	0 – 200 mg/l H_2O_2	1	25	PLPar25
Hydroquinone	0.00 – 2.50 mg/l $C_6H_6O_2$	0.01	26	PLPar26
Iodine (Tablet method)	0.00 – 28.00 mg/l I_2	0.01	27	PLPar27
Iodine (Liquid method)	0.00 – 14.00 mg/l I_2	0.01	67	PLPar67
Iron (LR)	0.00 – 1.00 mg/l $Fe^{2+/3+}$	0.01	28	PLPar28
Iron (LR)	0.00 – 1.00 mg/l $Fe2+/3+$	0.01	199	PLPar199
Iron (MR)	0.0 – 10.0 mg/l $Fe^{2+/3+}$	0.1	29	PLPar29
Iron (MR) Ferrous	0.0 – 10.0 mg/l $Fe^{2+/3+}$	0.1	127	PLPar127
Iron (HR)	0.0 – 20.0 mg/l $Fe^{2+/3+}$	0.1	30	PLPar30
Iron in Oil	20 – 450 mg/l $Fe^{2+/3+}$	1	171	PLPar171
Iron total	0.00 – 3.00 mg/l $Fe^{2+/3+}$	0.01	132	PLPar132
Isothiazolinone	0.0 – 10.0 mg/l Isothiaz	0.1	88	PLPar88



Reagent(s) (No. Of Tests)	Type Of Reagent	Item-Code Reagents
Hydrogen Peroxide LR Photometer	Tablets	TbsPHP
PL Hydrogen Peroxide LR N°1 PL Hydrogen Peroxide LR N°2	Liquid Liquid	PL30HydLRP1 PL30HydLRP2
Acidifying PT Photometer Hydrogen Peroxide HR Photometer (PP)	Tablets Powder Pillow	TbsHAFPP PPPHPHR
PL Hydrogen Peroxide HR N°1 PL Hydrogen Peroxide HR N°2	Liquid Liquid	PL65HydHRP1 PL65HydHRP1
PL Oxygen Scavenger N°1 PL Oxygen Scavenger N°2	Liquid Liquid	PL65OxyScav1 PL65OxyScav2
DPD N°1 Photometer	Tablets	TbsPD1
DPD 1A DPD 1B	Liquid Liquid	PL30DPD1A PL30DPD1B
Iron LR Photometer	Tablets	TbsPILR
Iron LR N°1 Photometer Iron LR N°2 Photometer	Tablets Tablets	TbsHILR1 TbsPILR2
PL IRON MR 1	Powder	PLpow20IronMR1
PL IRON MR 2	Powder	PLpow20IronMR2
PL IRON HR1 PL IRON HR2	Liquid Liquid	PL65IronHR1 PL65IronHR2
Reagent W	Kit	TbsPiio IIO-kv
FerroVer® Iron PP	Powder Pillow	ppFerVer1
PL Isothiazolinone 1 PL Isothiazolinone 2 PL Isothiazolinone 3 PL Isothiazolinone 4 PL Isothiazolinone 5	Liquid Liquid Liquid Liquid Liquid	PL30Isoz1 PL65Isoz2 PL65Isoz3 PL65Isoz4 PL30Isoz5

PrimeLab 2.0 – List Of Parameters

Parameter	Measurement Range	Resolution	Parameter ID	Item-Code Parameter	
Legionella	60 – 10^6 CFU/l	1	147	PLPar147	
Legionella	60 – 10^6 CFU/l	1	147	PLPar147	
Legionella	60 – 10^6 CFU/l	1	147	PLPar147	
Legionella	60 – 10^6 CFU/l	1	147	PLPar147	
Magnesium	0 – 100 mg/l	1	93	PLPar93	
Manganese VLR	0 – 0.030 mg/l	0.001	161	PLPar161	
Manganese	0.2 – 5 mg/l	0.1	31	PLPar31	



Reagent(s) (No. Of Tests)	Type Of Reagent	Item-Code Reagents
Kit to perform max. 9 tests (1 control / batch): L0 Diluent L1 Capture Reagent L2 Washing buffer L3 Enzyme-labeled anti-Legionella L4 Enzyme-co-substrates L5 Stopping reagent	Kit liquid liquid liquid liquid liquid liquid	LGP-10
Kit to perform max. 19 tests (1 control / batch): L0 Diluent L1 Capture Reagent L2 Washing buffer L3 Enzyme-labeled anti-Legionella L4 Enzyme-co-substrates L5 Stopping reagent	Kit liquid liquid liquid liquid liquid liquid	LGP-20
Kit to perform max. 39 tests (1 control / batch): L0 Diluent L1 Capture Reagent L2 Washing buffer L3 Enzyme-labeled anti-Legionella L4 Enzyme-co-substrates L5 Stopping reagent	Kit liquid liquid liquid liquid liquid liquid	LGP-40
Kit to perform max. 99 tests (1 control / batch): L0 Diluent L1 Capture Reagent L2 Washing buffer L3 Enzyme-labeled anti-Legionella L4 Enzyme-co-substrates L5 Stopping reagent	Kit liquid liquid liquid liquid liquid liquid	LGP-100
Magnesium Photometer	Tablet	TbsPMag
Manganese VLR N°1 Manganese VLR N°2	Tablet Tablet	TbsHMagVLR1 TbsHMagVLR2
Manganese LR N°1 Manganese LR N°2	Powder Pillow Powder Pillow	PPHMGNSLR1 PPPMGNSLR2

PrimeLab 2.0 – List Of Parameters

Parameter	Measurement Range	Resolution	Parameter ID	Item-Code Parameter	
Methylethylketoxime	0 – 4.1 mg/l	0.01	69	PLPar69	
Molybdate (LR)	0 – 15 mg/l	0.01	96	PLPar96	
Molybdate (HR)	5 – 200 mg/l	0.1	33	PLPar33	
Molybdate	1 – 100 mg/l	0.1	32	PLPar32	
Molybdate (HR)	0 – 40 mg/l	0.1	134	PLPar134	
Nickel (HR)	0 – 7 mg/l	0.1	90	PLPar90	
Nickel (HR)	0 – 10 mg/l	0.1	100	PLPar100	
Nitrate	0.00 – 11.00 mg/l	0.1	34	PLPar34	
Nitrate (HR)	1 – 100 mg/l	1	169	PLPar169	
Nitrite (LR)	0 – 0.5 mg/l	0.01	35	PLPar35	
Nitrite (HR)	5 – 200 mg/l	0.1	36	PLPar36	
Nitrite (HR)	0 – 1500 mg/l	1	97	PLPar97	
Nitrite (HR)	0 – 3000 mg/l	1	101	PLPar101	
Nitrogen–Total (LR)	0.5 – 25 mg/l	0.1	151	PLPar151	



Reagent(s) (No. Of Tests)	Type Of Reagent	Item-Code Reagents
PL Oxy. Scav. N°1 (270 tests) PL Oxy. Scav. N°2 (65 tests)	Liquid Liquid	PL65OxyScav1 PL65OxyScav2
Molybdate LR N°1 Molybdate LR N°2	Tablet Tablet	TbsHMDL1 TbsPMDL2
PL Molybdate N°1 (162 tests)	Liquid	PL65Moly1
Molybdate HR N°1 Molybdate HR N°2	Tablet Tablet	TbsHMDH1 TbsPMDH2
100 Powder-Pillows MolyVer1 in a PE-bag 100 Powder-Pillows MolyVer2 in a PE-bag 100 Powder-Pillows MolyVer3 in a PE-bag	Powder Powder Powder	PPPmolyver1 PPPmolyver2 PPPmolyver3
Nickel HR N°1 Nickel HR N°2	Tablet Tablet	TbsHNickHR1 TbsPNickHR2
PL Nickel HR N°1 (100 tests) PL Nickel HR N°2 (150 tests) PL Nickel HR N°3 (150 tests)	Liquid Liquid Liquid	PL65NickHR1 PL30NickHR2 PL60NickHR3
PL Nitrate N°1 (285 tests)	Powder	PLpow20Nitra1
Nitrate HR N° 1 Nitrate HR N° 2	Powder Pillow Powder Pillow	PPHNitra1 PPPNitra2
Nitrite LR	Powder Pillow	PPPNiLR
PL Nitrite HR N°1 (142/285 tests)	Powder	PLpow10-/ PLpow20NitriHR1
Nitrite HR N°1 Nitrite HR N°2	Tablet Tablet	TbsHNiHR1 TbsPNiHR2
PL Nitrite HR N°2 (108 tests)	Liquid	PL65NitriteHR2
50 Hydrox. LR vials 50 Persulfate powder packs 50 Reagent A powder packs 50 Reagent B powder packs 50 Acid LR/HR vials 100ml DI-Water	Kit	PL151-kit

PrimeLab 2.0 – List Of Parameters

Parameter	Measurement Range	Resolution	Parameter ID	Item-Code Parameter	
Nitrogen–Total (LR)	0.5 – 25 mg/l	0.1	151	PLPar151	
Nitrogen–Total (HR)	5 – 150 mg/l	1	152	PLPar152	
Ozone	0 – 5.4 mg/l	0.01	37	PLPar37	
Ozone	0 – 5.4 mg/l	0.1	92	PLPar92	
Peracetic Acid (LR)	0.00 – 10.00 mg/l	0.01	164	PLPar164	
Peracetic Acid (HR)	0 – 300 mg/l	1	165	PLPar165	
Permanganate Value	0 - 30 mg/l	1	201	PLPar201	
Permanganate Time Test in Methanol (tank wash)	0 – 100 %T	0.1	159	PLPar159	
pH–value (LR)	5.2 – 6.8 pH	0.01	40	PLPar40	
pH–value (MR)	6.5 – 8.4 pH	0.01	38	PLPar38	
pH–value (MR)	6.4 – 8.4 pH	0.01	39	PLPar39	
pH–Universal	5 – 11 pH	0.1	41	PLPar41	
pH–Universal	4 – 11 pH	0.1	42	PLPar42	
Phenol	0 – 5 mg/l	0.01	98	PLPar98	
PHMB	2 – 60 mg/l	1	43	PLPar43	
Phosphate–ortho (LR)	0 – 4 mg/l	0.01	44	PLPar44	



Reagent(s) (No. Of Tests)	Type Of Reagent	Item-Code Reagents
50 Persulfate powder packs 50 Reagent A powder packs 50 Reagent B powder packs 50 Acid LR/HR vials 100ml DI-Water	Kit	PL151-kit
50 Hydrox. HR vials 50 Persulfate powder packs 50 Reagent A powder packs 50 Reagent B powder packs 50 Acid LR/HR vials 100ml DI-Water	Kit	PL152-kit
DPD N°1 DPD N°3 Glycine	Tablet Tablet Tablet	TbsPD1 TbsPD3 TbsHGC
PL DPD 1 A (250/541 tests) PL DPD 1 B (250/541 tests) PL DPD 3 C (250/541 tests) PL DPD Glycine (250 tests)	Liquid Liquid Liquid Liquid	PL30DPD1A/PL65DPD1A PL30DPD1B/PL65DPD1B PL30DPD3C/PL65DPD3C PL30DPDGlycine
PD N°4	Tablet	TbsPD4
Chlorine HR (KI) Acidifying GP	Powder Pillow Powder Pillow	PPPCIHR PPHAFG
Permanganate value	Tablet	TbsPPerm
PTT (285 tests) 10ml Reagent grade Methanol	Liquid Sealed vial	PL10PTT PTT-Metha
Bromocresolpurple	Tablet	TbsPBRCP
Phenol Red	Tablet	TbsPpH
PL pH 6.4-8.4 (270 tests)	Liquid	PL65PhenRed
Universal pH	Tablet	TbsPUPH
PL pH 4-11 (162 tests)	Liquid	PL65UnivpH
Phenol N°1 Phenol N°2 Phenol CR	Tablet Tablet Tablet	TbsHPhen1 TbsPPhen2 TbsPPhen3
PHMB	Tablet	TbsPPB
Phosphate (LR) N°1 Phosphate (LR) N°2	Powder Pillow Tablet	PPHPPLR1 TbsPPPLR2

PrimeLab 2.0 – List Of Parameters

Parameter	Measurement Range	Resolution	Parameter ID	Item-Code Parameter	
Phosohate–ortho (LR)	0 – 4 mg/l	0.01	45	PLPar45	
Phosphate–ortho (HR)	0 – 80 mg/l	0.1	46	PLPar46	
Phosphate–ortho (HR)	0 – 100 mg/l	0.1	47	PLPar47	
Phosphonate	0 – 20 mg/l	0.01	87	PLPar87	
Phosphonate	0 – 20 mg/l	0.01	110	PLPar110	
Phosphorus–Total (LR)	0 – 2.6 mg/l	0.01	153	PLPar153	
Phosphorus–Total (HR)	0 – 52 mg/l	0.1	154	PLPar154	
Polyacrylate	1 – 30 mg/l	0.1	85	PLPar85	
Potassium	0.7 – 12 mg/l	0.1	48	PLPar48	
PTSA	0 – 1000 µg/l	1	111	PLPar111	
QAC	25 – 150 mg/l	1	83	PLPar83	
Sanosil	0 – 400 mg/l	0.01	173	PLPar173	



Reagent(s) (No. Of Tests)	Type Of Reagent	Item-Code Reagents
PL Phosphate LR N°1 (65 tests) PL Phosphate LR N°2 (142/285 tests)	Liquid Powder	PL65PPLR1 PLpow10-/ PLpow20PPLR2
Phosphate (HR) N°1 Phosphate (HR) N°2	Powder Pillow Tablet	PPHPPHR1 TbsPPPHR2
PL Phosphate HR N°1 (65 tests) PL Phosphate HR N°2 (65 tests)	Liquid Liquid	PL65PPHR1 PL65PPHR2
PL Phosphonate N°1 (285 tests) PL Phosphonate N°2 (285 tests) PL Phosphonate N°3 (81 tests) PL Phosphonate N°4 (285 tests)	Powder Powder Liquid Powder	PLpow20PPHON1 PLpow20PPHON2 PL65PPHON3 PLpow20PPHON4
OrgaPhos N°1 OrgaPhos N°2 OrgaPhos N°3 OrgaPhos-OX	Tablet Tablet Tablet Tablet	TbsPOPA TbsPOPB TbsHOPAX TbsHOXOP
50 Phosphorus LR vial 30ml PL Phosphorus LR N°1 10g PL Phosphorus N°2 100 powder p. Phosphate LR N°1 50 tablets Phosphate LR N°2	Kit	PL153-kit
50 Phosphorus HR vial 30ml PL Phosphorus HR N°1 10g PL Phosphorus N°2 100 powder p. Phosphate HR N°1 50 tablets Phosphate HR N°2	Kit	PL154-kit
PL Polyacrylate N°1 (65 tests) PL Polyacrylate N°2 (65 tests)	Liquid Liquid	PL65PLYA1 PL65PLYA2
Potassium	Tablet	TbsPPTST
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Acidifying GP QAC HR	Powder Pillow Tablet	PPHAFG TbsPQAC
PL Hydrogen Peroxide HR N°1 PL Hydrogen Peroxide HR N°2	Powder Powder	PL65HydHRP1 PL65HydHRP2

PrimeLab 2.0 – List Of Parameters

Parameter	Measurement Range	Resolution	Parameter ID	Item-Code Parameter	
Silica (LR)	0 – 5 mg/l	0.01	49	PLPar49	
Silica (HR)	0 – 100 mg/l	1	50	PLPar50	
Sodium Hypochlorite	0.2 – 40 %	0.1	51	PLPar51	
Sodium Hypochlorite	0.2 – 40 %	0.1	68	PLPar68	
Sulphate	5 – 100 mg/l	1	54	PLPar54	
Sulphate	5 – 100 mg/l	1	55	PLPar55	
Sulphide	0.04 – 0.5 mg/l	0.01	52	PLPar52	
Suphide	0 – 0.7 mg/l	0.01	140	PLPar140	
Sulphite (LR)	0 – 10 mg/l	0.1	53	PLPar53	
Sulphite (HR)	0 – 300 mg/l	0.1	105	PLPar105	
Sulphite (HR)	0 – 200 mg/l	0.1	174	PLPar 174	
Suspended solids	0 – 750 mg/l	1	81	PLPar81	
Tannic acid	0 – 150 mg/l	0.1	91	PLPar91	
Tracer	0 – 1000 µg/l	1	157	PLPar157	
Total Oxidant	0.03 – 4 mg/l	0.01	108	PLPar108	
Total Residual Oxidizers	0 – 4 mg/l	0.01	191	PLPar191	



Reagent(s) (No. Of Tests)	Type Of Reagent	Item-Code Reagents
PL Silica LR N°1 (50 tests) PL Silica LR N°2 (50 tests) PL Silica LR N°3 (50 tests)	Liquid Liquid Powder	PL25SilLR1 PL25SilLR2 PPPSilLR350
PL Silica HR N°1 (71/142 tests) PL Silica HR N°2 (241 tests) PL Silica HR N°3 (142 tests)	Powder Powder Powder	PLpow10-/ PLpow20SilHR1 PLpow60SilHR2 PLpow10SilHR3
Chlorine HR (Ki) Acidifying GP	Powder Pillow Powder Pillow	PPPClHR PPHAFG
PL Chlorine HR N°1 (541 tests) PL Chlorine HR N°2 (250/541 tests)	Liquid Liquid	PL65ClHR1 PL30ClHR2/ PL65ClHR2
Sulphate	Powder Pillow	PPPSULP
PL Sulphate N°1 (142 tests)	Powder	PLpow10SULPHA1
Sulphide N°1 Sulphide N°2	Tablet Tablet	TbsHSULFD1 TbsPSULFD2
Sulfide 1 (Hach) (1000 tests) Sulfide 2 (Hach) (1000 tests)	Liquid Liquid	HaSulfide1 HaSulfide2
Sulphite LR	Tablet	TbsPSULFTLR
Sulphite N°1 Sulphite N°2	Tablet Tablet	TbsHSULFHR1 TbsPSULFHR2
PL Oxygen Scavenger 1 PL Oxygen Scavenger 2	Powder Powder	PL65OxyScav1 PL65OxyScav2
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PL Tannin N°1 (65 tests) PL Tannin N°2 (125 tests)	Liquid Liquid	PL65Tannin1 PL30Tannin2
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PL DPD 1 A (250/541 tests) PL DPD 1 B (250/541 tests) PL DPD 3 C (250/541 tests) PL DPD Acidifying (250 tests) PL DPD Neutralising (250 tests)	Liquid Liquid Liquid Liquid Liquid	PL30DPD1A/PL65DPD1A PL30DPD1B/PL65DPD1B PL30DPD3C/PL65DPD3C PL30DPDAcidif PL30DPDNeutr
PL DPD 1 A (250/541 tests) PL DPD 1 B (250/541 tests) PL DPD 3 C (250/541 tests) PL DPD Acidifying (250 tests) PL DPD Neutralising (250 tests)	Liquid Liquid Liquid Liquid Liquid	PL30DPD1A/PL65DPD1A PL30DPD1B/PL65DPD1B PL30DPD3C/PL65DPD3C PL30DPDAcidif PL30DPDNeutr

PrimeLab 2.0 – List Of Parameters

Parameter	Measurement Range	Resolution	Parameter ID	Item-Code Parameter	
Transmission / Absorption (all wave-lenghts). Wavelenghts in nm: 410, 435, 460, 485, 510, 535, 560, 585, 610, 645, 680, 705, 730, 760, 810, 860, 900, 940	0 – 100 %	0.1		170	
Turbidity (FAU)	20 – 1000 FAU	1		59	
Turbidity (NTU)	0.5 – 1100 NTU	0.1		112	
Urea	0.1 – 2.5 mg/l	0.1		120	
Urea	0.2 – 5.0 mg/l	0.2		150	
Watch Products	0 – 1000 µg/l	1		156	
Zinc	0 – 1 mg/l	0.01		62	



Reagent(s) (No. Of Tests)	Type Of Reagent	Item-Code Reagents
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--	--	--
Ammonia N°1 Ammonia N°2 PL Urea N°1 (375 tests) PL Urea N°2 (250 tests)	Powder Pillow Powder Pillow Liquid Liquid	PPHAM1 PPPAM2 PL30Urea1 PL10Urea2
Ammonia N°1 Ammonia N°2 PL Urea N°1 (375 tests) PL Urea N°2 (250 tests)	Powder Pillow Powder Pillow Liquid Liquid	PPHAM1 PPPAM2 PL30Urea1 PL10Urea2
--	--	--
Copper/Zinc LR EDTA DECHLOR	Tablet Tablet Tablet	TbsPCZ TbsHED TbsHDC

Find the latest parameter list under
https://primelab.org/parameter/list

PrimeLab 2.0 – accessories & Spares

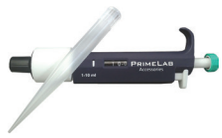




Vials and measuring cups	
Item-Code	Item Description
PLSp-Kv2410-10	Set of 10 x 24 mm (10 ml) round glass vials with lid / light shield integrated in lid
PLSp-Kv1610-10	Set of 10 x 16 mm (10 ml) round glass vials with lid
PLSp-Kv1-100	Set of 100 x 1 ml semi-micro-vials (rectangle)
PLSp-LG-ELF10	Set of 10 x 60 ml measuring cup with red lid
SVZdev100	100 ml plastic measuring cup
PLSp-GlsBot50ml	50 ml glass-bottle with stopper

Filter utilities	
Item-Code	Item Description
PLSp-InjFil-1	Luer lock syringe (20 ml) with threat for filter holder
PLSp-Filtad1	Filter holder for PLSp-InjFil-1 luer lock syringe
PLSp-FiltGFC	25 mm GF/C Filter. Bottle of 50 filter papers
PLSp-Filt45M	25 mm 0.45 µm filter. Bottle of 50 filter papers

Stirring rods / cleaning brushes	
Item-Code	Item Description
SPstr10	Set of 10 x 13 cm plastic stirring rods
PLSp-str10	Set of 10 x 10.5 cm plastic stirring rods
SPclb10	Set of 10 x 9.5 cm vial-cleaning brushes



Dosing equipment	
Item-Code	Item Description
PLSp-inj1	Graduated Plastic Syringe (10 ml)
PLSp-inj03	Graduated Plastic Syringe (3 ml)
PLSp-inj01	Graduated Plastic Syringe (1 ml)
PLSp-PIP10ml	10 ml pipette (variable volume 1 – 10 ml)
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette
PLSp-PIP1ml	1 ml pipette (variable volume 0.1 – 1 ml)
PLSp-PIP1ml-tips10	10 x tips for PLSp-PIP1ml pipette
PLSp-PIP01ml	0.1 ml pipette (variable volume 0.01 – 0.1 ml)
PLSp-PIP01ml-tips10	10 x tips for PLSp-PIP01ml pipette
PL2Sp-Vollpip2ml	2 ml bulb-pipette (glass)
PL2Sp-Vollpip2ml-Ball	Pipetting-ball (Peleus ball) for 2 ml bulb-pipette

Heat blocks and electronics	
Item-Code	Item Description
PLSp-CODheatblock-T	Heat block for 12 x 16 mm vials. Temp. 70, 100, 120, 148, 150 and 160°C. Heating times: 30 min, 60 min, 90 min, 120 min; 200 – 240 VAC 50Hz; Maximum 350 W
PLSp2-GSM	Cellular–modem (USB–Type–C)
PLSp2-USBa-c	USB–connector (type A to type C)
PLSp2-USBhuba	USB–Hub (Type C and Type A)
PLSp2-USBcable	USB–cable (Type A on one end / type C at the other end)
PLSp2-chargeEU	PrimeLab 2.0 charger with EU plus
PLSp2-UK/AUS/US	UK/AUS/US plug for PrimeLab 2.0 charger

PrimeLab 2.0 – accessories & Spares

Reference standards	
Item-Code	Item Description
PL2Sp-Ref112038-f	Reference standard kit for PrimeLab IDs 11 (chlorine by tablet), ID 20 (cyanuric acid) and ID 38 (pH by tablet).2 standards for ID 11 (~0.5 mg/l and ~2 mg/l), 1 standard for ID 20 (~80 mg/l), 1 standard for ID 38 (~7.00 pH) as well as a ZERO vial. In a box with description. 1 year shelf life.
PL2Sp-Ref122039-f	Reference standard kit for PrimeLab IDs 12 (chlorine by liquid), ID 20 (cyanuric acid) and ID 39 (pH by liquid). 2 standards for ID 12 (~0.5 mg/l and ~2 mg/l), 1 standard for ID 20 (~80 mg/l), 1 standard for ID 39 (pH ~7.00) as well as a ZERO vial. In a box with description. 1 year shelf life.
PL2Sp-RefPTSA	3 x Sealed round (24 mm) glass-vial (values: 0 µg/l / 100 µg/l / 400 µg/l)
PL2Sp-RefFLSC	2 x 100 ml reference standards 100 µg/l Fluorescein, deionized water
PL2Sp-RefTRB	3 x 10 ml reference standards 0.5 NTU, 10 NTU, 1000

Other Accessories	
Item-Code	Item Description
PLSp2-Ad16/Ad1	PrimeLab 2.0 vial adapter for 16mm glass vials / 1ml semi-micro-vials (rectangle)
PLSp-mft-1	Micro fiber cloth 13x13 cm for PrimeLab vials
PLSp2-carr2	Large PrimeLab 2.0 plastic carrying case
PLSp2-Alucase	Aluminium trolley with foam inserts for PrimeLab 2.0 plus accessories
PLSp-16mmRack	Aluminium test tube rack for holding 12 x 16 mm glass cuvettes

Ask for our large variety of check-standards (coloured epoxy resin) in sealed 24 mm glass vials.

Technical Data

Dimensions:	10 cm x 25.5 cm x 5.9 cm (width x length x depth)
Weight:	715 g
Spectral range:	390 nm – 950 nm 18 wavelength, peaks at 410|435|460|485|510|535|560|585|610|645|680|705|730|760|810|860|900 |940 nm, 180° and 90° Setup for direct and indirect measurement
Parameters:	More than 140 parameters (flexible setup) – User defined parameter function
Electrodes:	USB–type–C connector for pH|EC|TDS|ORP|Temp-Probes
Connectivity: (technical)	WiFi, USB (type C), Cellular (via USB–modem)
Connectivity: (software)	LabCOM® Software (Windows | Mac), LabCOM® App (Android | iOS), LabCOM® Cloud (web-browser)
Display:	5.5“ Colour–HD touch display
Camera:	Built-in QR–code scanner
Calibration:	Auto–calibration function with certificate (software)
One-Time-Zero:	Intelligent OTZ (One–Time–Zero) function with recognition of ZERO types
Internal memory:	>150 000
Clock/Date:	RTC (Real–Time–Clock) with calendar function
Auto-Off:	Factory default setting = 10 minutes. Individual adjustment possible
Menu guidance:	Intuitive, display-controlled 4-button menu guidance; test instructions during measurement process
Power supply:	8.500 mA Li–Io–battery
Languages:	> 4
Environment:	5° C –-45°C | 30 – 90 % rel. humidity
Water-proof rating:	The device is splash–water–proof (IP54)
Reagents:	The calibration curves for the individual parameters|measurement procedures are adjusted to the reagents offered by Water-i.d.®. Using reagents from other manufacturers may lead to wrong readings|higher tolerances. PrimeLab reagents are etirely “Made in Germany” or “Made in UK”!

“When the well‘s dry, we know the **worth** of water.“

– Benjamin Franklin



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