





A Step Ahead in Testing

PRIMELAB_{1.0} MULTITEST PHOTOMETER



PrimeLab Device Operates in Multiple Languages:

-  English (en)
-  Spanish (es) 
-  French (fr)
-  Germany (de)

Photometer meets Future

Photometers for electronic and highly accurate determination of water values are standard equipment in every laboratory. Similarly, mobile phones are standard equipment in our daily lives, and yet over the past few decades they have continuously adapted to technical progress.

Do you still make calls today with a mobile phone of past generations from 10 or 20 years ago or do you prefer the benefits of smartphones with fast Bluetooth® - wireless technology -, synchronisation with your PC software, apps and many other technical advantages?

How about your photometer ...?

Has it kept pace with technological progress, or do you still transmit your data via a serial port, an IR interface or even not at all?

Is your data analysis restricted to predefined, parameters?

Did you have a choice of which parameters you want to measure?

Is the performance of your photometer limited to a few or even only one wavelength?

Time for a change

Introducing the next generation of photometers!

Data connection via Bluetooth® - wireless technology -within seconds, similar to your smartphone in your car

A sensor by JENCOLOR with unprecedented accuracy, able to measure all parameters where colour development is visible to the human eye after adding a reagent (visible wavelength).

Software that will offer you not only user used management of your measurement sources (e.g. pools) and related measurement data but also offer advice on adjusting the water values back to ranges defined by you.

Software allowing you to easily upload additional parameters on your Photometer. A device that auto-calibrates itself within milliseconds at the push of a button without having to return it to the manufacturer!



PrimeLab Features

- Selfcalibration mode and instant Certificate
- Accurate and Reliable Water Testing
- 1 JENCOLOR Sensor - ALL Parameters
- Flexible Parameter Setup. Add more parameters at any time, anywhere
- Fast Bluetooth® - Connection
- Powerful free Software and App plus Cloud service
- Unique technology and product especially for Marine and Industrial use
- Easy to use automated reporting system
- New way of testing electronically and reporting at same time to head office
- Accurate tests and easy way of testing
- Worldwide availability
- Extra reagents not needed for one year
- Yearly order for reagents saving time and money
- Install more parameters at any later time by just entering a code
- Time saving for purchasing departments
- Corrections on treatment and instructions are given automatically by photometer itself
- Heavy case to carry
- Connected to Mobile phones so all have access on info
- Legionella accurate test and report in 1 hour
- Step by step on screen instructions in multiple languages for each parameter



Technical Details

| | |
|---------------------------|---|
| Dimensions | 175 mm x 88 mm x 59mm |
| Weight: | 160 g |
| Spectral Range: | 389 nm-780 nm with 7 open channels and \pm nm overlap each |
| Data Transmission: | Built-in Bluetooth® module |
| Calibration: | Auto-calibration by JENCOLOR sensor; determination of LED brightness |
| One Time Zero: | Intelligent OTZ (One Time Zero) function, detecting different ZERO types |
| Internal Memory: | 100 data records/20 accounts records |
| Clock/Date: | RTC (real-time clock) with date function |
| Auto-off: | Default = 10 minutes. Individually adjustable |
| Time Saving: | For Engineers on reporting and checking – sending to head office (free cloud service = real time reporting) |
| Menu Navigation: | Intuitive, display-controlled 4-button menu system; test instructions during the measurement process (can be skipped) |
| Power Supply: | Optionally 4 x 1.5 V AAA batteries or 100-240 V AC, 50/50 Hz, 0.2 A → 5.0 V 1200mA, 6W |
| Display: | Graphical LCD display, monochrome |
| Environment: | 5°C-45°C (41°F-113°F) /30% - 90% relative humidity |
| Water Resistancy: | The unit is splash-proof |
| Reagents: | The calibration curves of the individual parameters are matched to the reagents offered by the manufacturer. The use of reagents by other manufacturers may result in measurement errors The scope of delivery of the PrimeLab includes solely high-quality reagents "Made in Germany" and "Made in Britain" |



Testing in Line With ASTM Standards

This portable kit allows you to carry out methanol wall wash samples easily, even if the methanol is slightly contaminated.

The kit can be combined with any other PrimeLab kit shown in this brochure.

Expandable 5 Parameters kit for Methanol Wall Wash Samples

This kit provides 5 ASTM standard compliant Parameters, and can be extended to more than 130 parameters at any time.

Content:

- 1 x Aluminum Trolley with foam inserts
- 1 x PrimeLab 1.0 Photometer
- ID 124 (Chloride 0 - 100 mg/l) pre-activated *
- ID 79 (COD LR 0 - 150 mg/l) pre-activated *
- ID 80 (COD MR 0 - 1500 mg/l) pre-activated *
- ID 17 (COD HR 0 - 15000 mg/l) pre-activated *
- ID 107 (Colour 15 - 500 mg/l) pre-activated *
- ID 159 (Permanganate Time Test yes/no) pre-activated *
- ID 160 (Hydrocarbons yes/no) pre-activated *
- 10 x 10ml glass cuvette with light-shield lid
- 1 x DC-Adapter (110/220V) with international plugs
- 4 x AAA Batteries
- 1 x Light shield
- 1 x 10ml syringe
- 2 x Plastic stirring rod
- 1 x Cleaning brush
- 1 x CD Rom with Primelab Desktop Assistant 2.0 software
- 1 x Full printed manual
- 1 x 1-10ml professional lab pipette with 12 tips
- 1 x 100-1000µl professional lab pipette with 12 tips
- 1 x PrimeLab Turbidity-Adapter kit, containing: Black plastic case with foam insert, PrimeLab Turbidity Adapter, 1-10ml professional lab pipette with 2 tips, 2 x AAA batteries, 1 vial each of calibration standards 0.5/10/1000 NTU needed for the Hydrocarbons test
- 1 x Heatblock for 8 x 16mm vials. Temp. 70/100/120/150 and 160°C. Digital reading, 110-130 V/50-60 Hz / 220-240 V/50-60 Hz. Aut. Voltage change, 140 W needed for Permanganate Time Test
- 1 x 4-liter portable fridge (12/220 V)
- 1 x Digital thermostat connector to regulate portable fridge to 15°C
- 50 Reagent-Tablets Permanganate Photometer
- 65ml PL Chloride 1 reagent
- 65ml PL Chloride 2 reagent
- 25 tubetests COD LR
- 25 tubetests COD MR
- 25 tubetests COD HR
- 2 x 100ml Reagent grade Methanol

Expandable to more than 130 different parameters at any time.

Tank Wash Test (Methanol) Parameters

APHA Colour

ACC. TO ASTM D 1209

Hydrocarbon

ACC. TO AETM D 1722

Pot. Permang. Time Test

Acc. To Autm D 1363

Inorganic Chloride

By Standard Acidifying Silver Nitrate

Chemical Oxygen Demand

(COD)



Parameters on PrimeLab can easily be expanded by purchasing and entering a code any time after purchase. There is no need to buy a new device, only because a parameter was missing.

The latest list of available parameters can be found on:

www.primelab.org