

# WATER-I.D.<sup>®</sup>

WATER TESTING EQUIPMENT ●●●

# PoolLAB 1.0<sup>®</sup>



User Manual



Gebruikershandleiding



Brugervejledning



Kullanıcı Kılavuzu



Руководство  
пользователя



**Quick Start  
Guide included!**


QUALITY REAGENTS  
MADE IN GERMANY



**POOLLAB 1.0<sup>®</sup> WEBSITE**



**WATER-I.D.<sup>®</sup> WEBSITE**

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- 01 x** PoolLab 1.0®
- 01 x** Light shield
- 03 x** AAA Batteries
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- 20 x** Phenol Red Photometer tablets
- 20 x** DPD N° 1 Photometer tablets
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- 10 x** CYA-Test Photometer tablets
- 10 x** Alkalinity-M Photometer tablets



- Reagents for water analysis only!
- Do not eat!
- Keep out of reach of children!
- Store cool and dry!



- Reagentia alleen voor wateranalyse!
- Niet eten!
- Buiten bereik van kinderen bewaren!
- Koel en droog bewaren!



- Reagenser kun til vandanalyse!
- Må ikke spises!
- Opbevares utilgængeligt for børn!
- Opbevares køligt og tørt!



- Reaktifler sadece su analizi içindir!
- Sakın yemeyin!
- Çocukların ulaşamayacağı yerde saklayın!
- Serin ve kuru saklayın!



- Реактивы только для анализа воды!
- Не употреблять в пищу!
- Хранить в недоступном для детей месте!
- Хранить в прохладном и сухом месте!



Change | Verander |  
Forandring | Değişim |  
Изменить

No rechargeable batteries! | Geen oplaadbare batterijen! |  
Ingen genopladelige batterier! | Şarj edilebilir pil yok! |  
Никаких перезаряжаемых батареек!



**3 x AAA**





The On/Off button can also be used to skip countdown during measurement (not recommended).



De Aan/Uit knop kan ook gebruikt worden om het aftellen over te slaan tijdens het meten (niet aanbevolen).



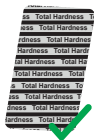
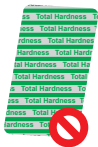
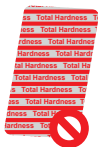
On/Off-knappen kan også bruges til at springe nedtællingen over under målingen (anbefales ikke).



Açma/Kapama düğmesi ölçüm sırasında geri sayımı atlamak için de kullanılabilir (önerilmez).



Кнопка включения/выключения также может использоваться для пропуска обратного отсчета во время измерения (не рекомендуется).



Always use PHOTOMETER grade tablets!  
Never use RAPID grade tablets! Do not touch reagent tablets!



Gebruik altijd PHOTOMETER tabletten!  
Gebruik nooit tabletten van RAPID-kwaliteit! Raak reagens tabletten niet aan!



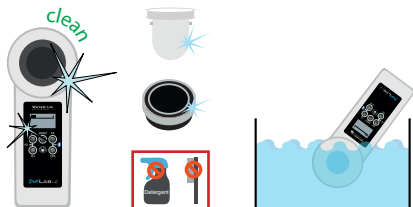
Brug altid tabletter af FOTOMETER-kvalitet!  
Brug aldrig tabletter af RAPID-kvalitet! Rør ikke ved reagens-tabletter!



Her zaman FOTOMETRE sınıfı tabletler kullanın!  
Asla RAPID sınıfı tabletler kullanmayın! Reaktif tabletlerine dokunmayın!



Всегда используйте таблетки класса PHOTOMETER!  
Никогда не используйте таблетки класса RAPID! Не прикасайтесь к таблеткам реагентов!



It is important to clean the device after each measurement to get rid of any reagent residues! Please ensure that the cuvette has been cleaned before each measurement (e.g. under clear water/or simply rinsing the cuvette in the pool is sufficient as long as no residues remain).



Het is belangrijk om het apparaat na elke meting schoon te maken om eventuele reagensresten te verwijderen! Zorg ervoor dat de cuvette voor elke meting is gereinigd (bijv. onder helder water of gewoon de cuvette afspoelen in het zwembad is voldoende zolang er geen resten achterblijven).



Det er vigtigt at rengøre enheden efter hver måling for at fjerne eventuelle reagensrester! Sørg for, at kuvetten er blevet rengjort før hver måling (f.eks. under klart vand/eller ved blot at skylle kuvetten i poolen, så længe der ikke er nogen rester tilbage).



Reaktif kalıntılardan kurtulmak için her ölçümden sonra cihazın temizlenmesi önemlidir! Lütfen her ölçümden önce küvetin temizlendiğinden emin olun (örn. duru su altında/ veya kalıntı kalmadığı sürece küvetin havuzda durulanması yeterlidir).



Важно очищать прибор после каждого измерения, чтобы избавиться от остатков реагентов! Пожалуйста, убедитесь, что кювета была очищена перед каждым измерением (например, под чистой водой или просто ополосните кювету в бассейне, если на ней не осталось остатков).



Do not leave the device in the sun!



Laat het apparaat niet in de zon liggen!



Efterlad ikke enheden i solen!



Cihazı güneş altında bırakmayın!



Не оставляйте устройство на солнце!



The PoolLab 1.0® is also suitable for saltwater pools/salt electrolysis pools!



De PoolLab 1.0® is ook geschikt voor zoutwaterzwembaden/zoutelektrolysebaden!



PoolLab 1.0® er også velegnet til saltvandspools/saltelektrolysepools!



PoolLab 1.0® tuzlu su havuzları/tuz elektroliz havuzları için de uygundur!



PoolLab 1.0® также подходит для бассейнов с морской водой/бассейнов с электролизом соли!

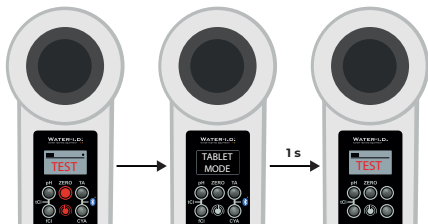
Tablet Mode → Liquid Mode  
Tabletmodus → Vloeistofmodus  
Tablet-tilstand → flydende tilstand  
Tablet Modu → Sivi Modu  
Режим планшета → Режим жидкости

pH | fCl<sub>2</sub> | tCl<sub>2</sub> | cCl<sub>2</sub> | Br<sub>2</sub> | ClO<sub>2</sub> | O<sub>3</sub>

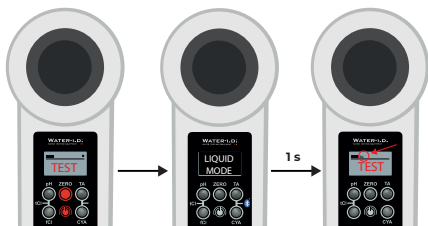


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watch our instruction video

## Tablet Mode:



## Liquid Mode:







From firmware version 72 onwards, you have the option of measuring the following parameters with tablets as well as with liquid reagents: pH, chlorine, chlorine dioxide, ozone and bromine. You can choose between two measurement settings in the unit: Tablets and Liquid reagents. You can switch between the modes by pressing and releasing the ZERO & On/Off button at the same time. The current mode remains stored across a restart. If "LIQ" is displayed in the status bar, you are in liquid reagent mode.

**Note: The selected mode has no influence on all other parameters (active oxygen, alkalinity, calcium hardness, cyanuric acid, hydrogen peroxide, PHMB, total hardness and urea).**



Vanaf firmwareversie 72 heb je de optie om de volgende parameters te meten met tabletten en met vloeibare reagentia: pH, chloor, chloordioxide, ozon en broom. Je kunt kiezen tussen twee meetinstellingen in het apparaat: Tabletten en Vloeibare reagentia. Je kunt tussen de modi wisselen door de NUL & Aan/Uit knop tegelijkertijd in te drukken en los te laten. De huidige modus blijft opgeslagen na een herstart. Als "LIQ" wordt weergegeven op de statusbalk, bevindt u zich in de modus voor vloeibare reagentia.

**Opmerking: De geselecteerde modus heeft geen invloed op alle andere parameters (actieve zuurstof, alkaliteit, calciumhardheid, cyanuurzuur, waterstofperoxide, PHMB, totale hardheid en ureum).**



Fra firmwareversion 72 og fremefter har du mulighed for at at måle følgende parametre med tabletter såvel som med flydende reagenser: pH, klor, klordioxid, ozon og brom. Du kan vælge mellem to måleindstillinger i enheden: Tabletter og flydende reagenser. Du kan skifte mellem tilstandene ved at trykke på og slippe ZERO & On/Off-knappen på samme tid. Den aktuelle tilstand forbliver gemt efter en genstart. Hvis »LIQ« vises i statuslinjen, er du i flydende reagens-tilstand.

**Bemærk: Den valgte tilstand har ingen indflydelse på alle andre parametre (aktiv ilt, alkalinitet, calciumhårdhed, cyanursyre, hydrogenperoxid, PHMB, total hårdhed og urea).**

Aygıt yazılımı sürüm 72'den itibaren şu seçeneklere sahipsiniz. Tabletlerle ve sıvı reaktiflerle aşağıdaki parametreleri ölçer: pH, klor, klor dioksit, ozon ve brom. Ünitelerde iki ölçüm ayarı arasında seçim yapabilirsiniz: Tabletler ve Sıvı reaktifler. ZERO ve Açma/Kapama düğmesine aynı anda basıp bırakarak modlar arasında geçiş yapabilirsiniz. Geçerli mod, yeniden başlatma sırasında saklı kalır. Durum çubuğunda "LIQ" görüntüleniyorsa sıvı reaktif modundasınız demektir.

**Not: Seçilen modun diğer tüm modlar üzerinde hiçbir etkisi yoktur. parametreler (aktif oksijen, alkalinite, kalsiyum sertliği, siyanürük asit, hidrojen peroksit, PHMB, toplam sertlik ve üre).**

Начиная с версии прошивки 72, у вас есть возможность измерять следующие параметры как с помощью таблеток, так и с помощью жидких реагентов: pH, хлор, диоксид хлора, озон и бром. В приборе можно выбрать одну из двух настроек измерения: Таблетки и Жидкие реагенты. Переключение между режимами осуществляется одновременным нажатием и отпусканием кнопок ZERO и On/Off. Текущий режим сохраняется при перезапуске. Если в строке состояния отображается «LIQ», значит, вы находитесь в режиме жидких реагентов.

**Примечание: Выбранный режим не влияет на все остальные (активный кислород, щелочность, жесткость кальция, циануровая кислота, перекись водорода, PHMB, общая жесткость и мочевина).**



## QUICK START GUIDE

Snelstartgids

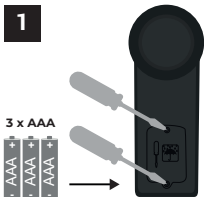
Hurtig start-guide

Hızlı Başlangıç Kılavuzu

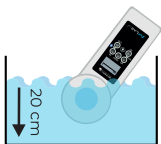
Краткое руководство пользователя



Scan the QR-code to  
watch our instruction video

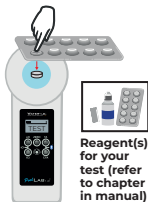


**3** **START: Take 10 ml Water Sample**



OR



**6****Remove Lightshield****7**

Reagent(s)  
for your  
test (refer  
to chapter  
in manual)

**8****9****Put on Lightshield****10**

Shortcut  
for your  
Test (Refer  
to chapter  
in manual)

**11**

Await  
Countdown

**12**

ppm = mg/l

**13****Empty & Clean****14****For Next Test: Take 10 ml****OR****15****If Device was not switched off, start from step 7****If Device was switched off, start from step 4**

**End Of Quick Start Guide | Einde Snelstartgids | Slut på hurtig start-guide | Hızlı Başlangıç Kılavuzunun Sonu | Конец краткого руководства**

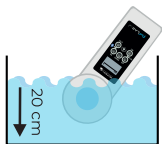
# ZERO

1



2

START: Take 10 ml Water Sample



OR



3



4



**! Only one Time Per Test Batch | Slechts één keer per testbatch | Kun én gang pr. testbatch | Test Grubu Başına Sadece Bir Kez | Только один раз для каждой тестовой партии !**



The „ZERO“ step (page 19) is only necessary once after switching on. Make sure that the water to be measured does not (!) contain any tablet/reagent in the cuvette and that the light protection cover is in place. If you do not repeat the „ZERO“ before each subsequent measurement, please empty the cuvette after the last and before the next measurement and fill it freshly with the water to be measured.



De stap „NUL“ (pagina 19) is slechts eenmaal nodig na het inschakelen. Zorg ervoor dat het te meten water geen (!) tablet/reagens in de cuvet bevat en dat het lichtbeschermingsdeksel op zijn plaats zit. Als je de „ZERO“ niet herhaalt voor elke volgende meting, leeg dan de cuvet na de laatste en voor de volgende meting en vul hem opnieuw met het te meten water.



Stegget "ZERO" (sidan 19) är bara nödvändigt en gång efter påslagning. Kontrollera att det vatten som ska mätas inte (!) innehåller någon tablett/reagens i kyvetten och att ljusskyddslocket är på plats. Om du inte upprepar "ZERO" före varje efterföljande mätning ska du tömma kyvetten efter den senaste mätningen och före nästa mätning och fylla den på nytt med det vatten som ska mätas.



“ZERO” adımı (sayfa 19) açıldıktan sonra sadece bir kez gereklidir. Ölçülecek suyun küvet içinde herhangi bir tablet/reaktif içermediğinden (!) ve ışık koruma kapağının yerinde olduğundan emin olun. Sonraki her ölçümden önce “ZERO” işlemini tekrarlamazsanız, lütfen son ölçümden sonra ve bir sonraki ölçümden önce küveti boşaltın ve ölçülecek suyla yeni doldurun.



Шаг «ZERO» (стр. 19) необходимо выполнить только один раз после включения. Убедитесь, что измеряемая вода не содержит (!) таблеток/реагентов в кювете и что светозащитная крышка находится на месте. Если вы не повторяете «ZERO» перед каждым последующим измерением, опорожните кювету после последнего и перед следующим измерением и наполните ее новой водой для измерения.



Active Oxygen (MPS)  
Actieve zuurstof (MPS)  
Aktiv ilt (MPS)  
Aktif Oksijen (MPS)  
Активный кислород (MPS)

0.0 – 30.0 ppm (mg/l)  
DPD N°4 Photometer\*

0.0 10.0 30.0 → OR

\*not part of Standard Equipment

1



2

Take 10 ml Water Sample



OR



**3** ZERO! (p. 19)



**4** 1 x DPD N°4 Photometer\*



**5**

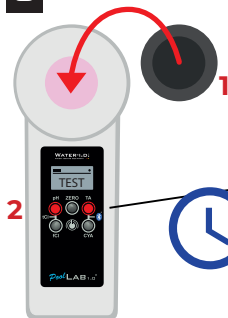
Completely Dissolved



NO Residue



**6**

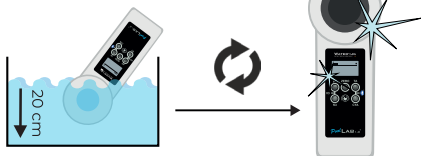


# Alkalinity Alkaliteit Alkalinitet Alkalinite Щелочность

0 – 200 ppm (mg/l)  $\text{CaCO}_3$   
Alkalinity - M Photometer

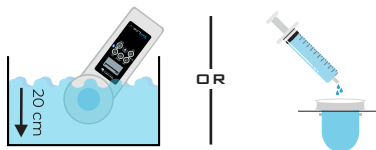


1



2

Take 10 ml Water Sample



**3** ZERO! (p. 19)



**4** 1 x Alkalinity-M Photometer



**5**

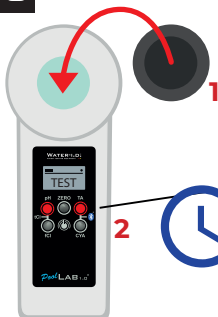
Completely Dissolved



NO Residue



**6**



# Bromine Broom Brom Brom Бром



**Tablet Mode:**

0.00 – 18.00 ppm (mg/l)

DPD N°1 Photometer Tablet  
Glycine\*

0.00 9.00 18.00 → OR



**Liquid Mode:**

0.00 – 9.00 ppm (mg/l)

DPD 1A\* + DPD 1B Liquid\*  
Glycine\*

0.00 4.00 9.00 → OR

\*not part of Standard Equipment

**1**



**2**

Take 10 ml Water Sample



**3**

ZERO! (p. 19)





Only if your water sample does contain Chlorine next to Bromine (both disinfectants used), the following procedure „A“ needs to be followed and Glycine\* reagent needs to be used. Otherwise (only Bromine present), please follow procedure „B“.



Alleen als uw watermonster naast broom ook chloor bevat (beide gebruikte desinfectiemiddelen), moet de volgende procedure „A“ worden gevolgd en moet Glycine\*-reagens worden gebruikt. Anders (alleen broom aanwezig), volg dan procedure „B“.



Kun hvis din vandprøve indeholder klor ved siden af brom (begge desinfektionsmidler anvendes), skal følgende procedure »A« følges, og der skal anvendes glycin\*-reagens. I modsat fald (kun brom til stede) skal du følge procedure »B«.



Yalnızca su numuneniz Brom'un yanında Klor içeriyorsa (her iki dezenfektan da kullanılmışsa), aşağıdaki „A“ prosedürünün izlenmesi ve Glisin\* reaktifinin kullanılması gerekir. Aksi takdirde (sadece Brom mevcutsa), lütfen „B“ prosedürünü izleyin.



Только если в образце воды наряду с бромом присутствует хлор (используются оба дезинфицирующих средства), необходимо выполнить следующую процедуру «A» и использовать реактив Глицин\*. В противном случае (присутствует только бром) выполните процедуру «B».

4A

1 x Glycine\*



5A

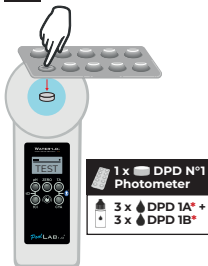


Completely  
Dissolved

NO  
Residue

6A

Tablet or Liquid? (p. 11)



1 x DPD N°1  
Photometer

3 x DPD 1A\* +  
3 x DPD 1B\*

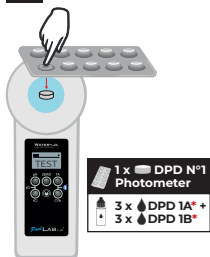
7A



Completely  
Dissolved

NO  
Residue

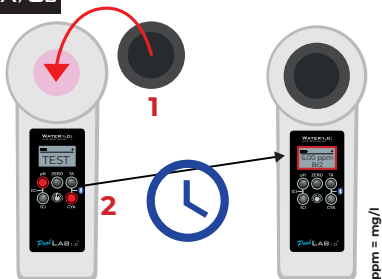
**4B** Tablet or Liquid? (p. 11)



**5B**



**8A/6B**





# Calcium Hardness Calciumhardheid Calcium-hårdhed Kalsiyum Sertliği Твердость кальция

0 – 500 ppm (mg/l) CaCO<sub>3</sub>  
POL20CH1\* | POL20CH2\*

0 + + + 250 + + + 500 → OR

\*not part of Standard Equipment

1



2

Take 10 ml Water Sample



OR



3

ZERO! (p. 19)



4

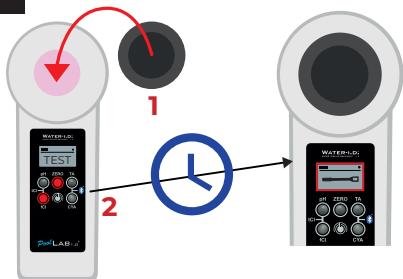
POL20CaH1\*\*  
POL20CaH2\*\*  
\*Shake before  
use!



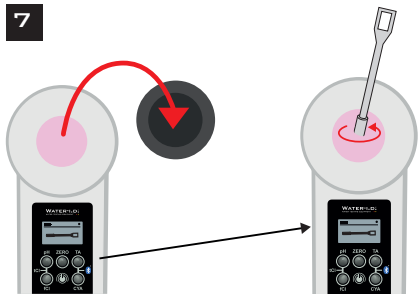
5



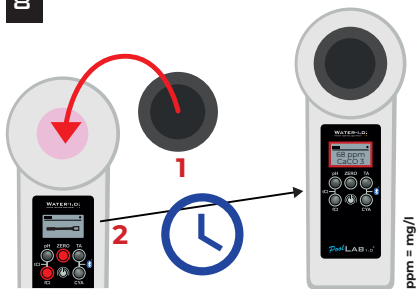
6



7



8



	CaCO <sub>3</sub> mg/l	K <sub>S4,3</sub> mmol/l	°dH* (KH)	°e* (CH)	°f* (DC)	mval
1 mg/l CaCO <sub>3</sub>	1	0.01	0.056	0.07	0.1	0.02
1 mmol/l K <sub>S4,3</sub>	100	1	5.6	7.0	10.0	2

# Chlorine Chloor Klor Klor Хлор



**Tablet Mode:**

**0.00 – 8.00 ppm (mg/l)**

DPD N°1 Photometer Tablet

DPD N°3 Photometer Tablet

0.00 4.00 8.00 → OR



**Liquid Mode:**

**0.00 – 4.00 ppm (mg/l)**

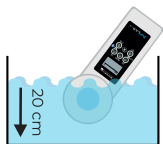
DPD 1A\* + DPD 1B\* +

DPD 3C Liquid\*

0.00 2.00 4.00 → OR

\*not part of Standard Equipment

**1**



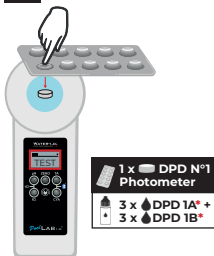
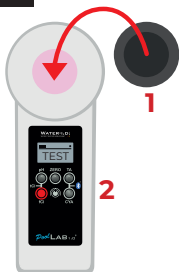
**2**

**Take 10 ml Water Sample**



OR



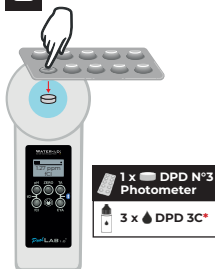
**3****ZERO!** (p. 19)**4****Tablet or Liquid?** (p. 11)**5****6**

7



8

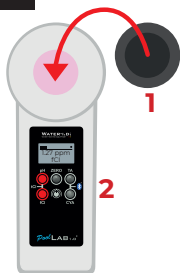
Tablet or Liquid? (p. 11)



9



10



**11****ppm = mg/l**

Total Chlorine is measured directly after free Chlorine without emptying the cuvette. The DPD N°3 tablet is added to the sample water which already contains the DPD N°1 tablet (dissolved). Combined Chlorine is calculated as Total Chlorine minus free Chlorine. The free chlorine measurement must be taken within 1 minute after dissolving the tablet. After that, the measured values may increase continuously.



Totaal Chloor wordt direct na vrij Chloor gemeten zonder de cuvet te legen. De DPD N°3 tablet wordt toegevoegd aan het watermonster dat al de DPD N°1 tablet (opgelost) bevat. Gecombineerd chloor wordt berekend als totaal chloor minus vrij chloor. De meting van vrij chloor moet binnen 1 minuut na het oplossen van de tablet worden uitgevoerd. Daarna kunnen de meetwaarden continu toenemen.





Total klor måles direkte efter frit klor uden at tømme kuvetten. DPD N°3-tabletten tilsættes til prøvevandet, som allerede indeholder DPD N°1-tabletten (opløst). Kombineret klor beregnes som total klor minus frit klor. Målingen af frit klor skal foretages inden for 1 minut efter opløsning af tabletten. Derefter kan de målte værdier stige kontinuerligt.



Toplam Klor, serbest Klordan sonra küvet boşaltılmadan doğrudan ölçülür. DPD N°3 tableti, halihazırda DPD N°1 tableti (çözünmüş) içeren örnek suya eklenir. Kombine Klor, Toplam Klor eksi serbest Klor olarak hesaplanır. Serbest klor ölçümü tablet çözüldükten sonra 1 dakika içinde yapılmalıdır. Bundan sonra, ölçülen değerler sürekli olarak artabilir.



Общий хлор измеряется непосредственно после свободного хлора без опорожнения кюветы. Таблетка DPD N°3 добавляется в воду для анализа, которая уже содержит таблетку DPD N°1 (в растворенном виде). Комбинированный хлор рассчитывается как общий хлор минус свободный хлор. Измерение свободного хлора должно быть выполнено в течение 1 минуты после растворения таблетки. После этого измеренные значения могут постоянно увеличиваться.

# Chlorine Dioxide Chloordioxide Klordioxid Klor Dioksit Диоксид хлора



**Tablet Mode:**

**0.00 – 15.00 ppm (mg/l)**

DPD N°1 Photometer Tablet  
Glycine\*

0.00 7.50 15.00 → OR



**Liquid Mode:**

**0.00 – 7.60 ppm (mg/l)**

DPD 1A + DPD Liquid\*  
Glycine\*

0.00 3.00 7.60 → OR

\*not part of Standard Equipment

**1**



**2**

Take 10 ml Water Sample



OR



**3**

ZERO! (p. 19)





Only if your water sample does contain Chlorine next to Chlorine Dioxide (both disinfectants used), the following procedure „**A**“ needs to be followed and Glycine\* reagent needs to be used. Otherwise (only Chlorine Dioxide present), please follow procedure „**B**“.



Alleen als je watermonster naast Chloordioxide ook Chloor bevat (beide gebruikte desinfectiemiddelen), moet de volgende procedure „**A**“ worden gevolgd en moet Glycine\*-reagens worden gebruikt. Anders (alleen aanwezig Chloordioxide), volg dan procedure „**B**“.



Kun hvis din vandprøve indeholder klor ved siden af klordioxid (begge desinfektionsmidler anvendes), skal følgende procedure »**A**« følges, og der skal anvendes glycine\*-reagens. I modsat fald (kun klordioxid til stede) skal du følge procedure »**B**«.



Yalnızca su numuneniz Klor Dioksitin yanında Klor içeriyorsa (her iki dezenfektan da kullanılmışsa), aşağıdaki „**A**“ prosedürünün izlenmesi ve Glisin\* reaktifinin kullanılması gerekir. Aksi takdirde (sadece Klor Dioksit mevcutsa), lütfen „**B**“ prosedürünü izleyin.



Только если в образце воды наряду с диоксидом хлора присутствует хлор (используются оба дезинфицирующих средства), необходимо выполнить следующую процедуру «**A**» и использовать реактив Глицин\*. В противном случае (присутствует только диоксид хлора) выполните процедуру «**B**».

4A

1 x Glycine\*

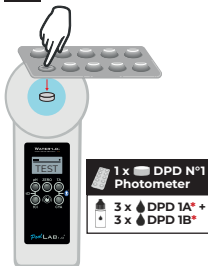


5A



6A

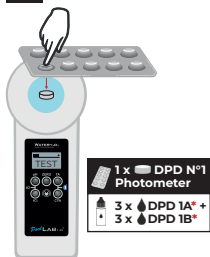
Tablet or Liquid? (p. 11)



7A



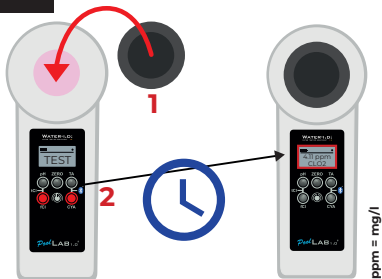
**4B** Tablet or Liquid? (p. 11)



**5B**



**8A/6B**



# Сyanuric Acid Сyanurzuur Сyanursyre Siyanürik Asit Циануровая кислота

0 – 160 ppm (mg/l)  
CYA-Test Photometer\*



\*not part of Standard Equipment

1



2

Take 10 ml Water Sample



OR



3

ZERO! (p. 19)



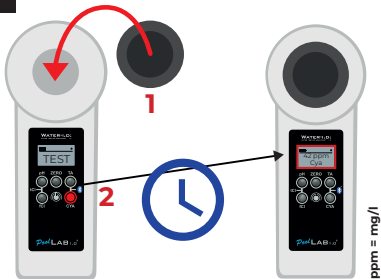
**4** 1 x CYA-Test Photometer\*



**5**



**6**



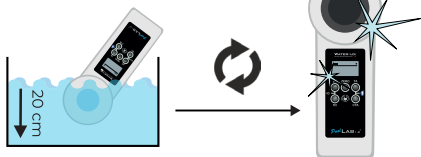
(LR)  
Hydrogen Peroxide  
Waterstofperoxide  
Hydrogenperoxid  
Hidrojen Peroksit  
Перекись водорода

0.00 – 2.90 ppm (mg/l)  
Hydr. Peroxide LR Photometer\*

0.00 1.45 2.90 → OR

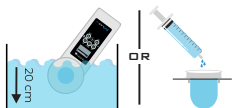
\*not part of Standard Equipment

1



2

Take 10 ml Water Sample



3

ZERO! (p. 19)





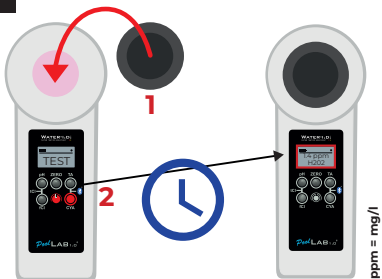
4

1 x Hydr. Peroxide LR  
Photometer\*

5



6



(HR)  
Hydrogen Peroxide  
Waterstofperoxide  
Hydrogenperoxid  
Hidrojen Peroksit  
Перекись водорода

0 – 200 ppm (mg/l)

Hydr. Peroxide HR Photometer\* | Acidifying PT\*

0 100 200 → OR

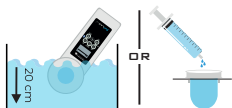
\*not part of Standard Equipment

1



2

Take 10 ml Water Sample



3

ZERO! (p. 19)



4

1 x Hydr. Peroxide HR  
Photometer\*

5

Completely  
DissolvedNO  
Residue

6

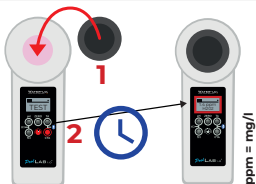
1 x Acidifying PT\*



7

Completely  
DissolvedNO  
Residue

8



# Ozone Ozon O<sub>3</sub>H

## Tablet Mode:

0.00 – 5.40 ppm (mg/l)

DPD N°1 Photometer Tablet

DPD N°3 Photometer Tablet

Glycine\*

0.00 2.50 5.40 → OR

## Liquid Mode:

0.00 – 2.70 ppm (mg/l)

DPD 1A\* + DPD 1B\*

DPD 3C Liquid\*

Glycine\*

0.00 1.30 2.70 → OR

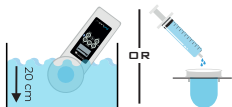
\*not part of Standard Equipment

1



2

Take 10 ml Water Sample



3

ZERO! (p. 19)





Only if your water sample does contain Ozone next to Chlorine (both disinfectants used), the following procedure „B” needs to be followed and Glycine\* reagent needs to be used. Otherwise (only Ozone present), please follow procedure „A”.



Alleen als je watermonster Ozon bevat naast Chloor (beide gebruikte desinfectiemiddelen), moet de volgende procedure „B” worden gevolgd en moet Glycine\*-reagens worden gebruikt. Anders (alleen Ozon aanwezig), volg dan procedure „A”.



Kun hvis din vandprøve indeholder ozon ved siden af klor (begge desinfektionsmidler anvendes), skal følgende procedure »B« følges, og der skal anvendes glycin\*-reagens. I modsat fald (kun ozon til stede) skal du følge procedure »A«.

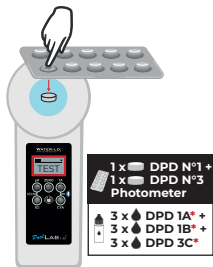


Sadece su numuneniz Klorun yanında Ozon içeriyorsa (her iki dezenfektan da kullanılmışsa), aşağıdaki „B” prosedürünün izlenmesi ve Glisin\* reaktifinin kullanılması gerekir. Aksi takdirde (sadece Ozon mevcutsa), lütfen „A” prosedürünü izleyin.



Только если в образце воды наряду с хлором присутствует озон (используются оба дезинфицирующих средства), необходимо выполнить следующую процедуру «B» и использовать реактив Глицин\*. В противном случае (присутствует только озон) следуйте процедуре «A».

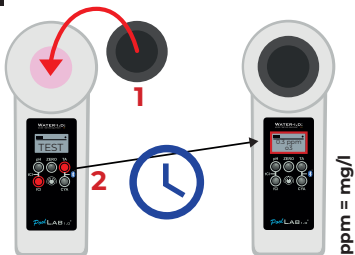
**4A** Tablet or Liquid? (p. 11)



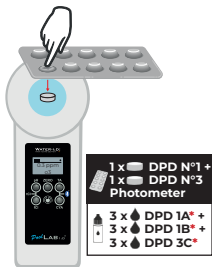
**5A**



**6A**



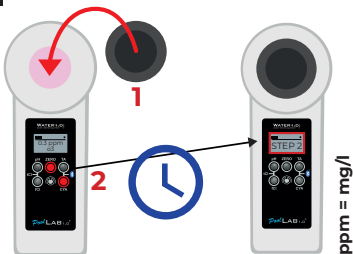
**4B** Tablet or Liquid? (p. 11)



**5B**



**6B**

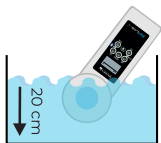


7B



8B

Take 10 ml Water Sample



OR



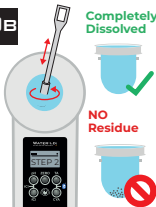
9B

1 x Glycine\*



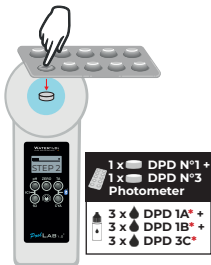
10B

Completely  
Dissolved





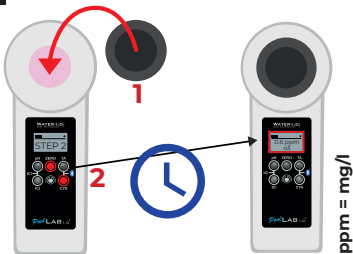
# 11B Tablet or Liquid? (p. 11)



# 12B



# 13B



# pH

 **Tablet Mode:**

**6.50 – 8.40**

Phenol Red Photometer

UR ← 6.5      7.3      8.4 → OR

 **Liquid Mode:**

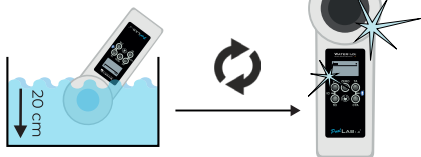
**6.50 - 8.40**

Phenol Red Liquid\*

UR ← 6.5      7.3      8.4 → OR

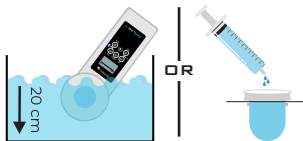
\*not part of Standard Equipment

**1**

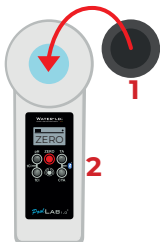


**2**

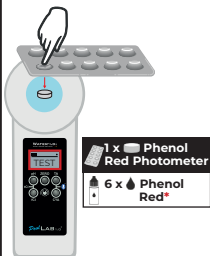
Take 10 ml Water Sample



**3** ZERO! (p. 19)



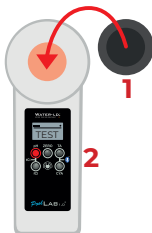
**4**



**5**



**6**



7



The Total Alkalinity value has to be minimum 50 mg/l to obtain a correct pH value.



De totale alkaliteitswaarde moet minimaal 50 mg/l zijn om een correcte pH-waarde te verkrijgen.



Den samlede alkalinitetsværdi skal være mindst 50 mg/l for at opnå en korrekt pH-værdi.



Doğru bir pH değeri elde etmek için Toplam Alkalinite değerinin minimum 50 mg/l olması gerekir.



Для получения правильного значения pH значение общей щелочности должно составлять не менее 50 мг/л.

# PHMB

5 – 60 ppm (mg/l)  
PHMB Photometer\*

UR ← 5      35      60 → OR

\*not part of Standard Equipment

1



2

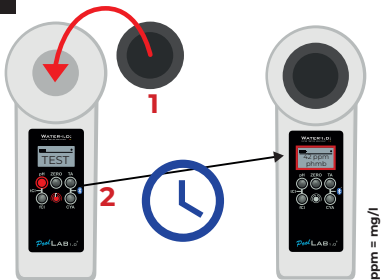
Take 10 ml Water Sample



3

ZERO! (p. 19)



**4****1 x PHMB Photometer\*****5****6**



It is imperative that you clean the objects used for the measurement and come into contact with the sample water containing the reagent (cuvette, lid, stirring rod) thoroughly with a brush, water and then with distilled water, otherwise the measuring equipment may turn blue over time. Alkalinity values (M)  $\neq$  120 mg/l and calcium hardness values  $\neq$  200 mg/l can lead to measured value deviations.



Het is absoluut noodzakelijk dat je de voorwerpen die gebruikt worden voor de meting en in contact komen met het monsterwater dat het reagens bevat (cuvet, deksel, roerstaafje) grondig reinigt met een borstel, water en vervolgens met gedestilleerd water, anders kan de meetapparatuur na verloop van tijd blauw worden. Alkaliteitswaarden (M)  $\neq$  120 mg/l en calciumhardheidswaarden  $\neq$  200 mg/l kunnen leiden tot meetwaardeafwijkingen.



Det er vigtigt, at du rengør de genstande, der bruges til målingen, og som kommer i kontakt med prøvevandet, der indeholder reagenset (kuvette, låg, rørestang), grundigt med en børste, vand og derefter med destilleret vand, ellers kan måleudstyret blive blå med tiden. Alkalinitetsværdier (M)  $\neq$  120 mg/l og calciumhårdhedsværdier  $\neq$  200 mg/l kan føre til afvigelse i de målte værdier.



Ölçüm için kullanılan ve reaktif içeren numune suyu ile temas eden nesnelere (küvet, kapak, karıştırma çubuğu) bir fırça, su ve ardından damıtılmış su ile iyice temizlemeniz zorunludur, aksi takdirde ölçüm ekipmanı zamanla maviye dönebilir. Alkalinite değerleri (M)  $\neq$  120 mg/l ve kalsiyum sertliği değerleri  $\neq$  200 mg/l ölçüm değerlerinde sapmalara neden olabilir.



Обязательно тщательно очищайте предметы, используемые для измерения и контактирующие с водой, содержащей реагент (кювету, крышку, стержень для перемешивания), щеткой, водой, а затем дистиллированной водой, иначе измерительное оборудование со временем может посинеть. Значения щелочности (M)  $\neq$  120 мг/л и кальциевой жесткости  $\neq$  200 мг/л могут привести к отклонениям измеренных значений.

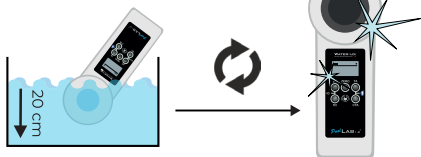
**Total Hardness**  
**Totale hardheid**  
**Total hårdhed**  
**Toplam Sertlik**  
**Общая жесткость**

0 – 500 ppm (mg/l) CaCO<sub>3</sub>  
POL20TH1\* | POL10TH2\*

0 200 500 → OR

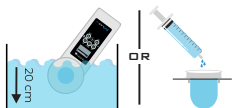
\*not part of Standard Equipment

**1**



**2**

Take 10 ml Water Sample



**3**

ZERO! (p. 19)





4

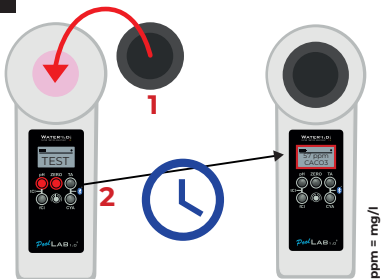


POL20TH1\*\*  
POL10TH2\*\*  
\*Shake  
before  
using!

5



6



Urea  
Ureum  
Urea  
Üre  
Мочевина

0.00 – 2.50 ppm (mg/l)

Dechlor\* | PL Urea 1\* | PL Urea 2\*  
Ammonia N°1\* | Ammonia N° 2\*

UR ← 0.00 1.20 2.50 → OR

\*not part of Standard Equipment

1



2

Take 10 ml Water Sample



OR



3

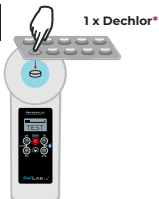
ZERO! (p. 19)



4



5



6



7



8

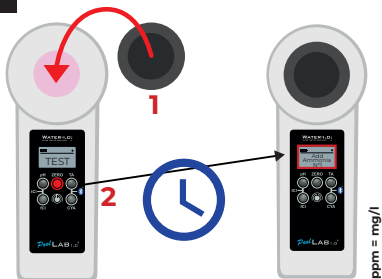


9

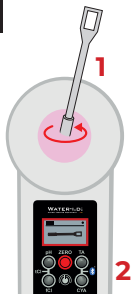
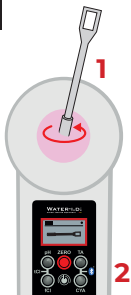


**10**

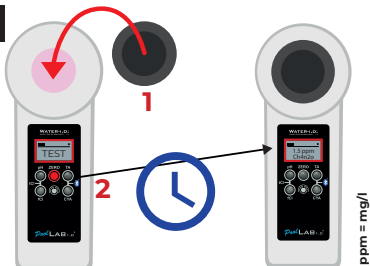
PL Urea 2\*\*  
\*Shake  
before  
using!

**11****12**

ppm = mg/l

**13****Ammonia N°1\*****14****15****Ammonia N°2****16**

17





If the sample contains free chlorine, a „Dechlor“ tablet has to be added to the vial, before adding PL Urea 1 and PL Urea 2. Ammonia N°1 only dissolves entirely after Ammonia N°2 was added. Ammonia and chloramines will be detected together. The result displayed will show the sum of both.




Temperature of the sample needs to be between 20 °C and 30 °C. Test needs to be carried out not later than 1 hour after taking the sample. If sea water is tested, sample needs to be pre-treated with special conditioning powder before Ammonia N°1 is added. Do not store PL Urea 1 below 10 °C as it might granulate. PL Urea 2 needs to be stored between 4 °C and 8 °C.

Als het monster vrij chloor bevat, moet een „Dechlor“-tablet aan het flesje worden toegevoegd voordat PL Urea 1 en PL Urea 2 worden toegevoegd. Ammoniak N°1 lost pas volledig op nadat Ammoniak N°2 is toegevoegd. Ammoniak en chlooramines worden samen gedetecteerd. Het weergegeven resultaat is de som van beide. De temperatuur van het monster moet tussen 20 °C en 30 °C liggen. De test moet uiterlijk 1 uur na het nemen van het monster worden uitgevoerd. Als zeewater wordt getest, moet het monster worden voorbehandeld met speciaal conditionerpoeder voordat ammonia nr. 1 wordt toegevoegd. Bewaar PL Urea 1 niet beneden 10 °C, omdat het dan kan granuleren. PL Urea 2 moet worden bewaard tussen 4 °C en 8 °C.

 Hvis prøven indeholder frit klor, skal der tilsættes en »Dechlor«-tablet til hætteglasset, før PL Urea 1 og PL Urea 2 tilsættes. Ammoniak nr. 1 opløses først helt, når ammoniak nr. 2 er tilsat. Ammoniak og kloraminer vil blive detekteret sammen. Det viste resultat viser summen af begge. Prøvens temperatur skal være mellem 20 °C og 30 °C. Testen skal udføres senest 1 time efter, at prøven er taget. Hvis der testes havvand, skal prøven forbehandles med et særligt konditioneringspulver, før Ammonia N<sup>o</sup>1 tilsættes. Opbevar ikke PL Urea 1 under 10 °C, da det kan granulere. PL Urea 2 skal opbevares mellem 4 °C og 8 °C.

 Numune serbest klor içeriyorsa, PL Üre 1 ve PL Üre 2 eklenmeden önce şişeye bir "Dechlor" tableti eklenmelidir. Amonyak N<sup>o</sup>1 ancak Amonyak N<sup>o</sup>2 eklendikten sonra tamamen çözülür. Amonyak ve kloraminler birlikte tespit edilecektir. Görüntülenen sonuç her ikisinin toplamını gösterecektir. Numunenin sıcaklığı 20 °C ile 30 °C arasında olmalıdır. Test, numune alındıktan sonra en geç 1 saat içinde yapılmalıdır. Deniz suyu test ediliyorsa, Amonyak N<sup>o</sup>1 eklenmeden önce numunenin özel şartlandırma tozu ile ön işleme tabi tutulması gerekir. PL Üre 1'i granüle olabileceğinden 10 °C'nin altında saklamayın. PL Üre 2'nin 4 °C ile 8 °C arasında saklanması gerekir.

 Если образец содержит свободный хлор, в пробирку необходимо добавить таблетку «Dechlor» перед добавлением PL Urea 1 и PL Urea 2. Аммиак N<sup>o</sup>1 полностью растворяется только после добавления аммиака N<sup>o</sup>2. Аммиак и хлорамины будут определяться вместе. Результат показывает сумму обоих. Температура образца должна составлять от 20 °C до 30 °C. Тест должен быть проведен не позднее чем через 1 час после взятия пробы. Если тестируется морская вода, перед добавлением аммиака N<sup>o</sup>1 образец необходимо предварительно обработать специальным кондиционирующим порошком. Не храните PL Urea 1 при температуре ниже 10 °C, так как он может гранулироваться. PL Urea 2 следует хранить при температуре от 4 °C до 8 °C.

**OR = Overrange / UR = Underrange.**



Test result is outside the range of the method. OR results can be brought into measurement range by dilution. Use syringe to take only 5 ml (or 1 ml) sample water plus 5 ml (9 ml) distilled water. Test again and multiply results times 2 (times 10). Dilution does not work with „pH“ measurement.

**OR = Overrange / UR = Underrange.**



Testresultaat ligt buiten het bereik van de methode. OR-resultaten kunnen door verdunning binnen het meetbereik worden gebracht. Gebruik een spuit om slechts 5 ml (of 1 ml) monsterwater plus 5 ml (9 ml) gedestilleerd water te nemen. Test opnieuw en vermenigvuldig de resultaten maal 2 (maal 10). Verdunning werkt niet bij „pH“-meting.

**OR = Overrange / UR = Underrange.**



Testresultatet ligger uden for metodens område. OR-resultater kan bringes inden for måleområdet ved fortynding. Brug en sprøjte til kun at tage 5 ml (eller 1 ml) prøvemand plus 5 ml (9 ml) destilleret vand. Test igen, og gang resultaterne med 2 (gange 10). Fortynding fungerer ikke med »pH«-måling.

**OR = Overrange / UR = Underrange.**



Test sonucu yöntem aralığının dışındadır. OR sonuçları seyreltme yoluyla ölçüm aralığına getirilebilir. Sadece 5 ml (veya 1 ml) numune suyu artı 5 ml (9 ml) damıtılmış su almak için şırınga kullanın. Tekrar test edin ve sonuçları 2 ile çarpın (10 ile çarpın). Seyreltme „pH“ ölçümü ile çalışmaz.

**OR = Overrange / UR = Underrange.**



Результат теста выходит за пределы диапазона метода. Результаты OR можно ввести в диапазон измерений путем разбавления. С помощью шприца наберите 5 мл (или 1 мл) воды для пробы плюс 5 мл (9 мл) дистиллированной воды. Повторите тест и умножьте результаты на 2 (на 10). Разбавление не работает при измерении «рН».





### BAT!



Change Batteries | Batterijen vervangen | Skift batterier |  
Pilleri Değiştirin | Замените батарейки

### ERR02

(Too dark) Clean Measurement chamber or Dilute Sample | (Te donker) Meetkamer reinigen of monster verdunnen | (For mørkt) Rengør målekammeret eller fortynd prøven | (Çok karanlık) Ölçüm odasını temizleyin veya Örneği seyreltin | (Слишком темно) Очистите измерительную камеру или разбавьте образец

### ERR03



(Too bright) Don't forget Light Shield during measurement | (Te helder) Vergeet het lichtschild niet tijdens het meten | (For lyst) Glem ikke lysskærmen under målingen | (Çok parlak) Işık Kalkanı'nı unutmayın ölçüm | (Слишком яркий) Не забывайте о светозащитном экране во время измерения

### ERR04

Repeat ZERO and TEST | Herhaal NUL en TEST | Gentag ZERO og TEST | ZERO ve TEST işlemlerini tekrarlayın | Повторите НУЛЬ и ТЕСТ

### ERR05

Ambient Temperature below -5 °C or above 60 °C | Omgevingstemperatuur onder -5 °C of boven 60 °C | Omgivelsestemperatur under -5 °C eller over 60 °C | Ortam Sıcaklığı -5 °C'nin altında veya 60 °C'nin üzerinde | Температура окружающей среды ниже -5 °C или выше 60 °C



**1)** 01.01.1970: The date on the PoolLab 1.0® is set to 01.01.1970 when delivered, after each battery change and after each update. Please reconnect to the LabCOM app so that the smartphone date is adopted again. **2)** Ideal values: Please contact the supplier of your pool chemistry to ask for ideal values for your pool. **3)** Scratched cuvette: As long as the cuvette is not scratched in the upper third but only in the bottom area, it does not have to be changed. **4)** Please crush tablets vigorously with the stirring rod. The cuvette will not break **5)** Total chlorine may well be displayed lower than the free chlorine within the tolerances shown in these instructions. **6)** Humidity in the display: Can occur if the residual humidity in the housing condenses due to the cold water during immersion.



**1)** 01.01.1970: De datum op de PoolLab 1.0® is bij levering, na elke batterijwissel en na elke update ingesteld op 01.01.1970. Maak opnieuw verbinding met de LabCOM-app zodat de datum van de smartphone weer wordt overgenomen. **2)** Ideale waarden: Neem contact op met de leverancier van uw zwembadchemie om de ideale waarden voor uw zwembad op te vragen. **3)** Bekraste cuvet: Zolang de cuvette niet gekrast is in het bovenste derde deel maar alleen in het onderste deel, hoeft deze niet vervangen te worden. **4)** Kneus de tabletten krachtig met de roerstaaf. De cuvet zal niet breken **5)** Het is mogelijk dat totaal chloor lager wordt weergegeven dan vrij chloor binnen de toleranties die in deze gebruiksaanwijzing worden aangegeven. **6)** Vochtigheid in het scherm: Kan optreden als de restvochtigheid in de behuizing condenseert door het koude water tijdens onderdompeling.



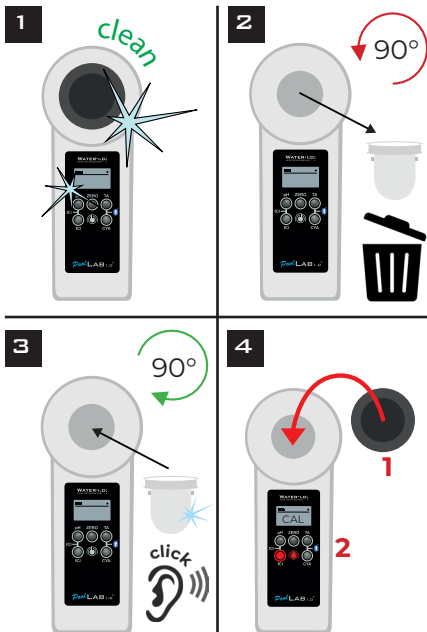
**1)** 01.01.1970: Datoen på PoolLab 1.0® er indstillet til 01.01.1970, når den leveres, efter hvert batteriskift og efter hver opdatering. Opret venligst forbindelse til LabCOM-appen igen, så smartphone-datoen tilpasses igen. **2)** Ideelle værdier: Kontakt leverandøren af din poolkemi for at få oplyst de ideelle værdier for din pool. **3)** Ridset kuvette: Så længe kuvetten ikke er ridset i den øverste tredjedel, men kun i det nederste område, behøver den ikke at blive udskiftet. **4)** Knus venligst tabletterne kraftigt med rørepinden. Kuvetten går ikke i stykker. **5)** Det samlede klorindhold kan godt vises lavere end det frie klor inden for de tolerancer, der er angivet i denne vejledning. **6)** Fugtighed i displayet: Kan forekomme, hvis restfugtigheden i huset kondenserer på grund af det kolde vand under nedsænkning.

**1)** 01.01.1970: PoolLab 1.0® üzerindeki tarih, teslim edildiğinde, her pil değişiminden ve her güncellemeden sonra 01.01.1970 olarak ayarlanır. Akıllı telefon tarihinin tekrar benimsenmesi için lütfen LabCOM uygulamasına yeniden bağlanın. **2)** İdeal değerler: Havuzunuz için ideal değerleri sormak için lütfen havuz kimyasalı tedarikçinizle iletişime geçin. **3)** Çizilmiş küvet: Küvetin üst üçte birlik kısmında çizik olmadığı, sadece alt kısmında çizik olduğu sürece değiştirilmesine gerek yoktur. **4)** Lütfen tabletleri karıştırma çubuğu ile kuvvetlice ezin. Küvet kırılmayacaktır. **5)** Toplam klor, bu talimatlarda gösterilen toleranslar dahilinde serbest klordan daha düşük görüntülenebilir. **6)** Ekrandaki nem oranı: Daldırma sırasında soğuk su nedeniyle muhafazadaki artık nem yoğunlaşırsa oluşabilir.



**1)** 01.01.1970: Дата на PoolLab 1.0® устанавливается на 01.01.1970 при поставке, после каждой замены батареи и после каждого обновления. Пожалуйста, переподключитесь к приложению LabCOM, чтобы дата на смартфоне была установлена заново. **2)** Идеальные значения: Пожалуйста, свяжитесь с поставщиком химии для вашего бассейна, чтобы узнать идеальные значения для вашего бассейна. **3)** Поцарапанная кювета: Если кювета поцарапана не в верхней трети, а только в нижней части, ее не нужно менять. **4)** Пожалуйста, энергично раздавите таблетки с помощью палочки для перемешивания. Кювета не разобьется **5)** Общий хлор может отображаться ниже, чем свободный хлор, в пределах допусков, указанных в данной инструкции. **6)** Влажность на дисплее: Может возникнуть, если остаточная влажность в корпусе конденсируется под воздействием холодной воды при погружении.





**Reagents | Reagentia | Reagenser | Reaktifler | Реактивы**

POL01-NF	20/20/10/10/10 Phenol Red / DPD N° 1 / DPD N° 3 / -Test / Alkalinity-M Photometer
TbsPph50	50 x Phenol Red Photometer
TbsPD150	50 x DPD N° 1 Photometer
TbsPD350	50 x DPD N° 3 Photometer
TbsPD450	50 x DPD N° 4 Photometer
TbsPCAT50	50 x CYA-Test Photometer
TbsPHP50	50 x Hydr. Peroxide LR Phot.
TbsPHPHR50	50 x Hydr. Peroxide HR Phot.
TbsHAPP50	50 x Acidifying PT Photometer
TbsPTA50	50 x Alkalinity-M Photometer
TbsHGC50	50 x Glycine
PPHAM150	50 x Ammonia N° 1 Powder Pillows
PPPAM250	50 x Ammonia N° 2 Powder Pillows
POL20TH1	20ml POLTH1 (50 tests)
POL10TH2	10ml POLTH2 (50 tests)
POL20CaH1	20ml POLCaH1 (50 tests)
POL20CaH2	20ml POLCaH2 (50 tests)
POL4Urea1	4ml PL Urea 1
POL2Urea2	2ml PL Urea 2
TbsPPB50	50 x PHMB Photometer
TbsHDC50	50 x Dechlor

**Spare Parts | Onderdelen | Reservedele | Yedek Parçalar |  
 Запасные части**

POLsp-kv	Replacement cuvette
POLsp-str	Plastic stirring/crushing rod
POLsp-ls	Rubber light shield
POLsp-box	PoolLab carrying box
POLsp-RSK-f	Reference standard-kit



- Bluetooth ON
- Bluetooth OFF

[www.labcom.cloud](http://www.labcom.cloud)

Windows®/MacOS®:



**FAQ**





[www.poolab.org](http://www.poolab.org)

**MSDS**

[msds.water-id.com](http://msds.water-id.com)

**Cloud**

[labcom.cloud](http://labcom.cloud)

<b>LED:</b>	530 nm / 570 nm / 620 nm
 AAA +	3 x AAA (1.5 V, Lr03)
	5 min.
	5 - 45°C
	IP 68 (1 h / 1.2 m)

**Developed in Germany**  
**Produced in PRC**

Active Oxygen (MPS) | Actieve zuurstof (MPS) |  
Aktiv ilt (MPS) | Aktif Oksijen (MPS) |  
Активный кислород (MPS)

Range	+ -
0.0 - 5.0	0.5 ppm (mg/l)
5.0 - 15.0	1.3 ppm (mg/l)
15.0 - 25.0	3.8 ppm (mg/l)
25.0 - 30.0	5.0 ppm (mg/l)

Alkalinity | Alkaliteit | Alkalinitet |  
Alkalinite | Щелочность

Range	+ -
0 - 30	3 ppm (mg/l)
30 - 60	7 ppm (mg/l)
60 - 100	12 ppm (mg/l)
100 - 200	18 ppm (mg/l)



Bromine | Broom | Brom | Brom | Бром

Range	±
0.0 - 2.5	0.2 ppm (mg/l)
2.5 - 6.5	0.6 ppm (mg/l)
6.5 - 11.0	1.7 ppm (mg/l)
11.0 - 13.5	2.3 ppm (mg/l)
13.5 - 18.0	3.0 ppm (mg/l)

Calcium Hardness | Calciumhardheid | Calcium-hårdhed | Kalsiyum Sertliđi | Твердость кальция

Range	±
0 - 25	8 ppm (mg/l)
25 - 100	22 ppm (mg/l)
100 - 300	34 ppm (mg/l)
300 - 500	58 ppm (mg/l)

Chlorine | Chloor | Klor | Klor | Хлор

Range	±
0.00 - 2.00	0.10 ppm (mg/l)
2.00 - 3.00	0.23 ppm (mg/l)
3.00 - 4.00	0.75 ppm (mg/l)
4.00 - 6.00	1.00 ppm (mg/l)
6.00 - 8.00	1.50 ppm (mg/l)

Cyanuric Acid | Cyanuursuur |  
 Cyanursyre | Siyanürük Asit | Циануровая кислота

Range	±
0 - 15	1 ppm (mg/l)
15 - 50	5 ppm (mg/l)
50 - 120	13 ppm (mg/l)
120 - 160	19 ppm (mg/l)

Chlorine Dioxide | Chloordioxide |  
 Klordioxid | Klor Dioksit | Диоксид хлора

Range	±
0.00 - 2.00	0.19 ppm (mg/l)
2.00 - 6.00	0.48 ppm (mg/l)
6.00 - 10.00	1.43 ppm (mg/l)
10.00 - 11.40	1.90 ppm (mg/l)
11.40 - 15.00	2.37 ppm (mg/l)

Hydrogen Peroxide | Waterstofperoxide |  
 Hydrogenperoxid | Hidrojen Peroksit |  
 Перекись водорода – (LR)

Range	±
0.00 - 0.50	0.05 ppm (mg/l)
0.50 - 1.50	0.12 ppm (mg/l)
1.50 - 2.00	0.36 ppm (mg/l)
2.00 - 2.90	0.48 ppm (mg/l)

Hydrogen Peroxide | Waterstofperoxide |  
 Hydrogenperoxid | Hidrojen Peroksit |  
 Перекись водорода – (HR)

Range	±
0 - 50	5 ppm (mg/l)
50 - 110	6 ppm (mg/l)
110 - 170	11 ppm (mg/l)
170 - 200	13 ppm (mg/l)

Ozone | Ozon | Ozon | Ozon | Озон

Range	±
0.00 - 1.00	0.07 ppm (mg/l)
1.00 - 2.00	0.17 ppm (mg/l)
2.00 - 3.00	0.51 ppm (mg/l)
3.00 - 4.00	0.68 ppm (mg/l)
4.00 - 5.40	0.85 ppm (mg/l)

pH

Range	±
6.50 - 8.40	0.11 pH

## PHMB

Range	±
5 - 60	5 ppm (mg/l)

Total Hardness | Totale hardheid | Total hårdhed |  
Toplam Sertlik | Общая жесткость

Range	±
0 - 30	3 ppm (mg/l)
30 - 60	5 ppm (mg/l)
60 - 100	10 ppm (mg/l)
100 - 200	17 ppm (mg/l)
200 - 300	22 ppm (mg/l)
300 - 500	58 ppm (mg/l)

## Urea | Ureum | Urea | Üre | Мочевина

Range	±
0.00 - 0.30	0.05 ppm (mg/l)
0.30 - 0.60	0.06 ppm (mg/l)
0.60 - 1.00	0.09 ppm (mg/l)
1.00 - 1.50	0.12 ppm (mg/l)
1.50 - 2.50	0.19 ppm (mg/l)

### **Device**

According to EC Directive 2012/19/EU, electronic devices must not be disposed of in normal domestic waste. The manufacturer of this device, Water-i.d.<sup>®</sup> GmbH, Daimlerstr. 20, D-76344 Eggenstein will dispose of your PoolLab 1.0<sup>®</sup> Photometer free of charge (not including costs of sending the device to us). Send your PoolLab<sup>®</sup> for disposal -freight prepaid - to the address shown above.

### **Batteries**

According to EC Guideline 2006/66/EC, user is obliged to dispose in a proper manner by returning worn out batteries to dedicated collection places such as any shop selling batteries. Batteries must not be disposed of in normal domestic waste.

### **Disposal and recycling information**

The crossed-out wheeled-bin symbol on your product, battery, literature or packaging reminds you that all electronic products and batteries must be taken to separate waste collection points at the end of their working lives; they must not be disposed of in the normal waste stream with household garbage. It is the responsibility of the user to dispose of the equipment using a designated collection point or service for separate recycling of waste electrical and electronic equipment (WEEE) and batteries according to local laws. Proper collection and recycling of your equipment helps ensure electrical and electronic equipment (EEE) waste is recycled in a manner that conserves valuable materials and protects human health and the environment, improper handling, accidental breakage, damage, and/or improper recycling at the end of its life may be harmful for health and environment. For more information about where and how to drop off your EEE waste, please contact your local authorities, retailer or household waste disposal service.



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## **CE compliance statement**

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The manufacturer

**Water-i.d. GmbH, Daimlerstr. 20,  
D-76344 Eggenstein-Leopoldshafen  
Federal Republic of Germany**

represented by the general manager Dipl. Ec. Andreas Hock herewith declares as follows: The product "PoolLab<sup>®</sup> 1.0" complies with the requirements of the following standards for:

**ETSI EN 300 328 (V2.2.2)**

**EN 62479 (2010)**

**ETSI EN 301 489-1 (V2.2.3)**

**ETSI EN 301 489-17 (3.2.4)**

**EN 61326 (2013)**

**EN IEC 62368-1:2020+A11:2020**



## UK CONFORMITY ASSESSED



We, Water-i.d. GmbH Germany, hereby certify our responsibility, that the following product: PrimeLab 2.0 Photometer, is tested to and conforms with the essential test suites included in the following standards, which are in force within the UK:

Standards	Legislation Number
EN 61000-3-2: 2014; EN 61000-3-3: 2013 ETSI EN 301 489-1 V2.2.3: 2019 ETSI EN 301 489-17 V3.2.4: 2020	Regulations 2016 (S.I. 2016/1091)
EN IEC 62368-1:2020+A11:2020	Regulations 2016 (S.I. 2016/1101)
ETSI EN 300 328 V2.2.2: 2019	Regulations 2017 (S.I. 2017/1206)

And therefore complies with the essential requirements of the following directives:

Legislation Name	Legislation Number	Further identification
Electromagnetic Compatibility Regulations	Regulations 2016 (S.I. 2016/1091)	Electromagnetic Compatibility (EMC)
Electrical Equipment (Safety) Regulations	Regulations 2016 (S.I. 2016/1101)	Safety
Radio Equipment Regulations	Regulations 2017 (S.I. 2017/1206)	Radio Equipment
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations	Regulations 2012 (S.I. 2012/3032)	RoHS

## FCC Part 15 Compliance Statement IC Licence-Exempt RSS Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada Licence-Exempt Radio Apparatus

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This device complies with Industry Canada's RSS for licence-exempt radio equipment. Operation is permitted under the following two conditions: (1) this device may not cause interference, and (2) the user of this device must accept any radio interference received, even if the interference is likely to affect the operation of the device.

#### Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus

This device complies with FCC and Industry Canada RF radiation exposure limits set forth for general population (uncontrolled exposure).

This device must not be collocated or operating in conjunction with any other antenna or transmitter.

This device complies with FCC and Industry Canada RF radiation exposure limits established for the general public. (Uncontrolled Environment) This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by Water-i.d. GmbH could void the user's authority to operate the equipment.

FCC ID:	2ALRR-POOLLAB10
IC:	22610- POOLLAB10
Model:	POOLLAB 1.0



## **CERTIFICATE OF COMPLIANCE**

We hereby certify that the device

PoolLab 1.0®

With it's serial number as stated below,  
has passed intensive visual and technical checks  
as part of our QM documentation. We confirm  
the device got factory-calibrated.

Water-i.d.® GmbH (Germany)

Andreas Hock, Managing Director  
Water-i.d.® GmbH | Daimlerstr. 20  
76344 Eggenstein | Germany

**S/N**  
**MANUFACTURING DATE**

Water-i.d.® is certified according to ISO 9001:2015





# WATER-I.D.<sup>®</sup>

WATER TESTING EQUIPMENT ● ● ●



QUALITY REAGENTS  
MADE IN GERMANY