WATER-I.D.®

V31

WATER TESTING EQUIPMENT

PoolLAB® 1.0

PHOTOMETER

- USER MANUAL
- HANDLEIDING
- BRUGERVEJLEDNING
- KULLANIM KILAVUZU
- Руководство пользователя

NEW: Quick Start Guide included!

NIEUW: Snelstart Gids inbegrepen! (p.14) | NYT: Hurtigstart guide medfølger! (p.14) | YENİ: Hızlı Başlangıç Kılavuzu dahildir! (s.14) | НОВИНКА: Руководство по быстрому запуску включено! (p.14)

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Delivery Content

1 x PoolLab 1.0®
1 x Light shield
3 x AAA Batteries
1 x Crushing | Stirring Rods
1 x 10ml syringe
1 x User guide
20 x Phenol Red Photometer tablets
20 x DPD N° 1 Photometer tablets
10 x DPD N° 3 Photometer tablets
10 x CYA-Test Photometer tablets
10 x Alkalinity-M Photometer tablets

Poison center Munich (24/7):
+49 (0) 89-19240 (German and English)

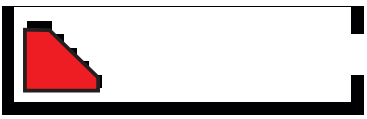
Reagents for water-analysis only!
Do not eat! Keep out of reach of children!
Store cool and dry!

Reagentia voor alleen water-analyse!
Niet eten! Buiten het bereik van kinderen!
Bewaar koel en droog!

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

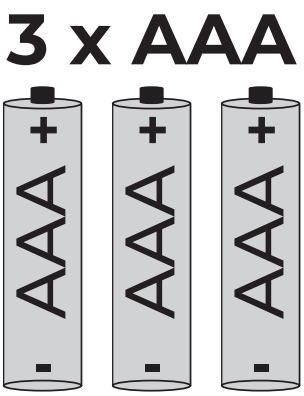
Sadece su analizinde kullanılan reaktifler!
Yeme! Çocukların eriin!
Serin ve kuru depolayın!

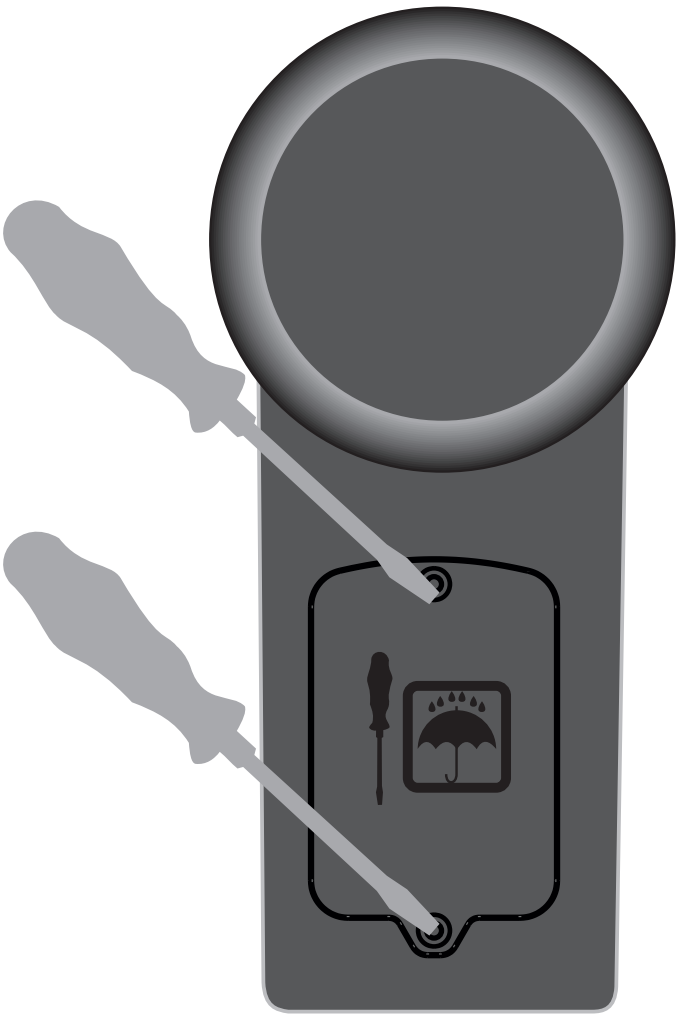
Реагенты только для анализа воды!
Не глотать! Хранить в недоступном для детей месте!
Хранить в прохладном и сухом месте!



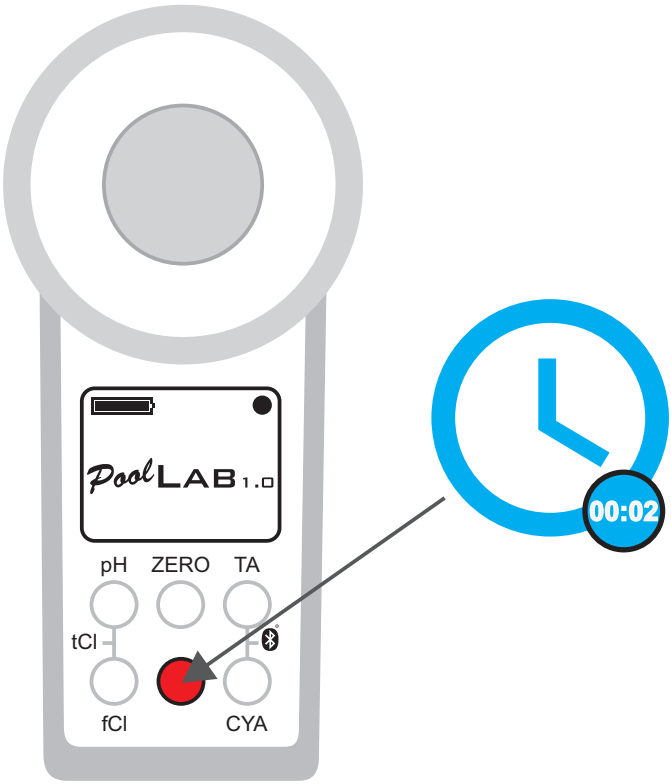
Change| Verandering | Skift
Değişiklik | Заменить

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

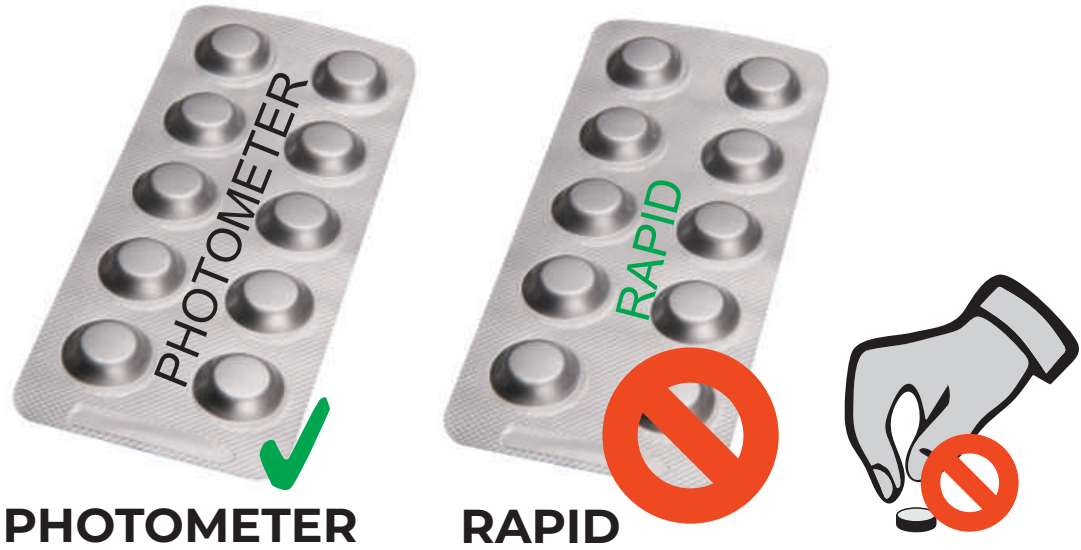




Switch On | Inschakelen | Tænd Açmak | Включить



On/Off button can also be used to skip countdown during measurement (not recommended)
De On/Off knop kan ook gebruikt worden om het aftellen tijdens de meting af te breken (dit wordt niet aanbevolen)
On/Off kan også benyttes til at undlade nedtællingen under teste(anbefales ikke)
Aç/Kapa düğmesi ölçüm sırasındaki gerisayımi geçmek icin de kullanılır. (atlamak tavsiye edilmez)
Кнопка On/Off может также использоваться для отмены 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 en niet de zogenaamde rapid tebletten. Raak de tabletten niet met de vingers aan.
Brug altid test tabletter i PHOTOMETER kvalitet! Benyt ALDRIGtabletter i RAPID kvalitet! Berør ikke tabletterne!
Her zaman Fotometre orijinal tabletlerini kullanın! Orijinal olmayan başka tabletler kullanmaktan kaçının! Hiçbir zaman tabletlere dokunmayın!
Всегда использовать таблетки для ФОТОМЕТРА! Не использовать таблетки RAPID! Не дотрагиваться до таблеток!

IMPORTANT | BELANGRIJK | VIGTIG | ÖNEMLİ | ВАЖНО

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 te reinigen om eventuele reagensresten te verwijderen! Zorg ervoor dat de cuvette voor elke meting gereinigd is (bv. onder helder water/of gewoon spoelen van de cuvette in het zwembad is voldoende, zolang er geen resten achterblijven).

Det er vigtigt at rengøre apparatet efter hver måling for at fjerne eventuelle reagensrester! Sørg for, at kuvetten er blevet rengjort før hver måling (f.eks. under klart vand og/eller en simpel skylning af kuvetten i bassinet er tilstrækkeligt, så længe der ikke er rester tilbage).

Reaktif kalıntılarından kurtulmak için her ölçümden sonra cihazı temizlemek önemlidir! Lütfen her ölçümden önce küvetin temizlendiğinden emin olun (örn. temiz su altında/veya küveti havuzda durulamak, hiçbir kalıntı kalmadığı sürece 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 реагентов).

Do not leave the device in the sun!

Laat het apparaat niet in de zon liggen

Lad ikke enheden stå i solen

Cihazı doğrudan güneş ışığı altında bırakmayın.

Не оставляйте прибор на солнце

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

Het PoolLab® is ook geschikt voor zoutwaterzwembaden/ zoutelektrolysebaden.

PoolLab® er også velegnet til saltvandspools / saltelektrolysepools

PoolLab®, tuzlu su havuzları / tuz elektroliz havuzları için de kullanıma uygundur.

PoolLab® также подходит для бассейнов с соленой водой/ бассейнов с солевым электролизом!

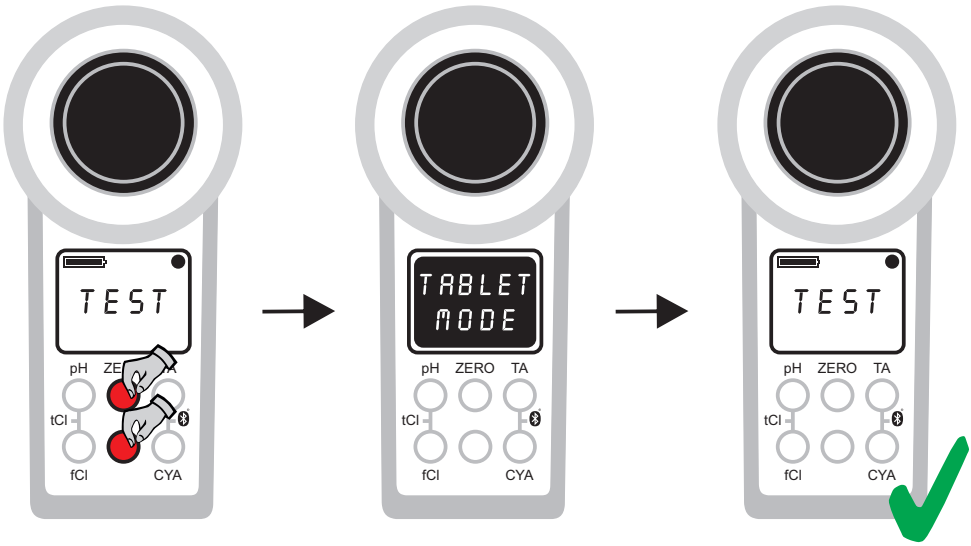
NEW!

Tablet Mode → Liquid Mode
Tablet modus → Vloeistof modus
Tablet-tilstand → Flydende tilstand
Mode Comprimés → Mode Réactif Liquide
Режим планшета → Режим жидкости

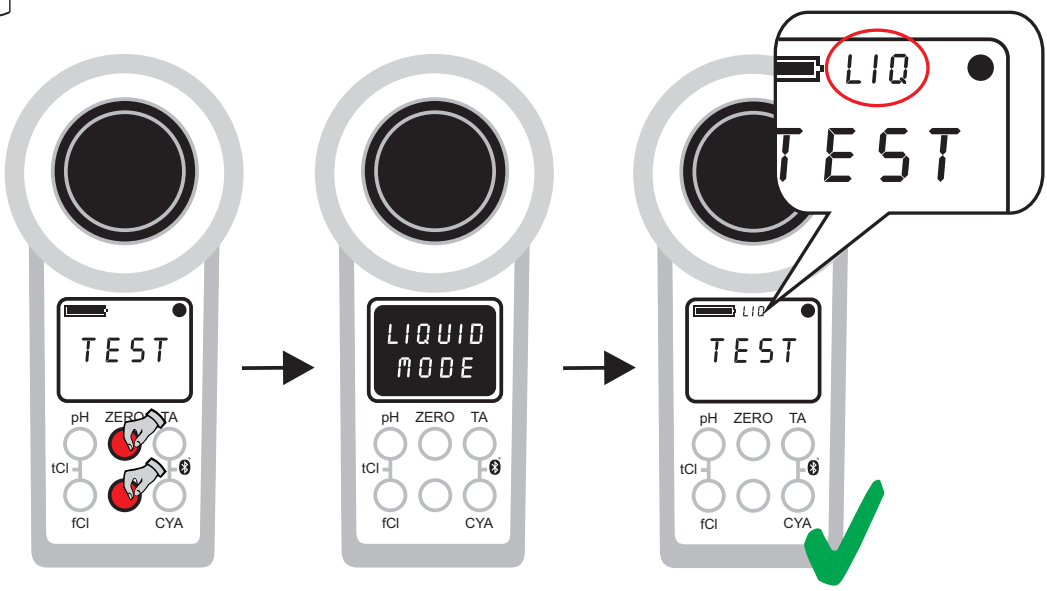
pH | fCl_2 | tCl_2 | cCl_2 | Br_2 | ClO_2 | O_3

Scan the QR-code to watch our intstruction video

Tablet Mode:
Press And Hold ZERO + Power Button



Liquid Mode:
Press And Hold ZERO + Power Button



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 hebt u de mogelijkheid de volgende parameters te meten met zowel tabletten als vloeibare reagentia: **pH, chloor, chloordioxide, ozon en broom.** U kunt kiezen tussen twee meetinstellingen in het apparaat: Tabletten en Vloeibare reagentia. U kunt tussen de modi schakelen door de NUL & Aan/Uit knop tegelijkertijd in te drukken en los te laten. De huidige modus blijft opgeslagen tijdens een herstart. Als "LIQ" in de statusbalk wordt weergegeven, bevindt u zich in de modus voor vloeibare reagentia.

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

Fra firmwareversion 72 og frem har du mulighed for 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 knappen NUL & Tænd/sluk på samme tid. Den aktuelle tilstand forbliver gemt på tværs af en genstart. Hvis "LIQ" vises i statuslinjen, er du i tilstand for flydende reagenser.

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

Donanım yazılımı sürümü 72'den itibaren, tabletlerin yanı sıra sıvı reaktiflerle aşağıdaki parametreleri ölçme seçeneğine sahipsiniz: **pH, klor, klor dioksit, ozon ve brom.** Ünitede iki ölçüm ayarı arasından seçim yapabilirsiniz: Tabletler ve Sıvı reaktifler. SIFIR ve Açma/Kapama düğmesine aynı anda basıp bırakarak modlar arasında geçiş yapabilirsiniz. Geçerli mod, yeniden başlatma boyunca kayıtlı kalır. Durum çubuğunda "LIQ" görüntüleniyorsa, sıvı reaktif modundasınız demektir.

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

Начиная с версии прошивки 72, у вас есть возможность измерять следующие параметры с помощью таблеток, а также 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 параметры (активный кислород, щелочность, кальциевая жесткость, циануровая кислота, перекись водорода, PHMB, общая жесткость и мочевина).

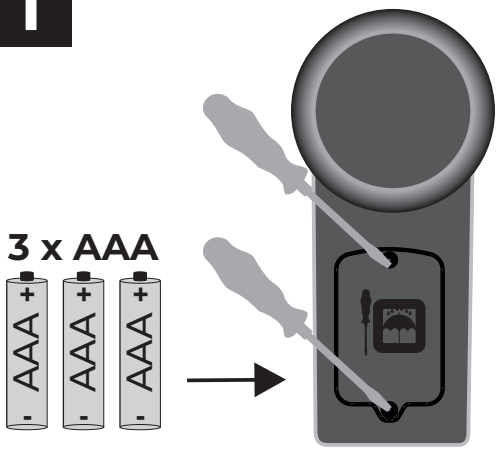
QUICK START GUIDE

Snelstartgids
Vejledning til hurtigstart
Hızlı başlangıç Kılavuzu
Краткое руководство пользователя

Scan the QR-code to watch our intstruction video

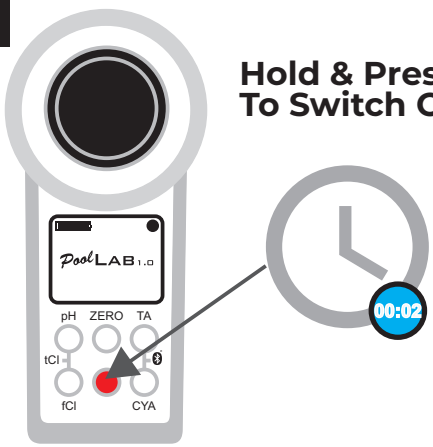
1

3 x AAA



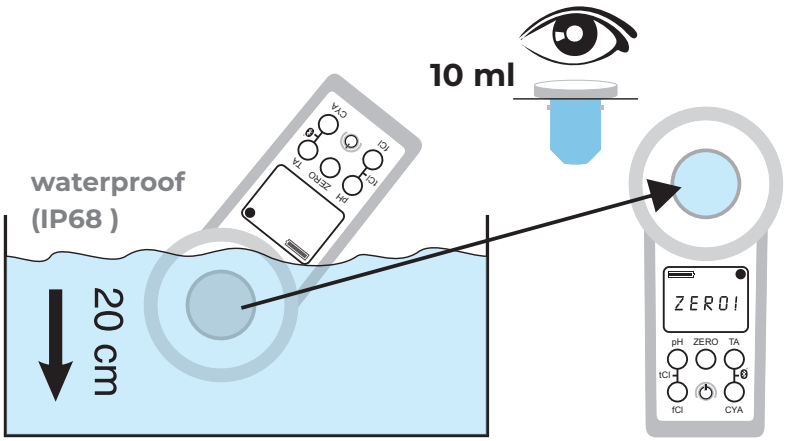
2

Hold & Press
To Switch On



3

START: Take 10 ml Water Sample



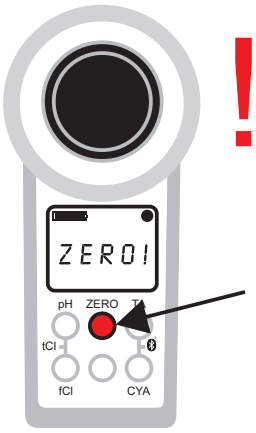
No Reagents!

4

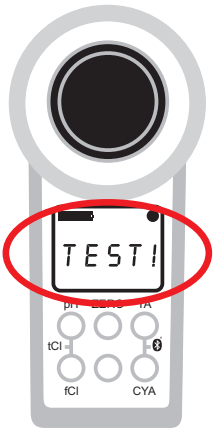
Put On Lightshield

5

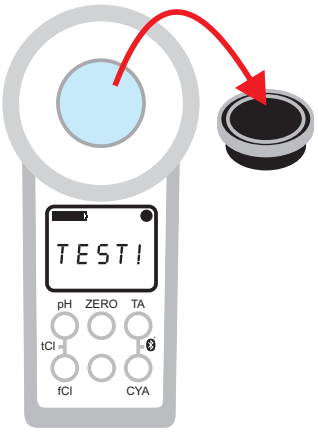
ZERO



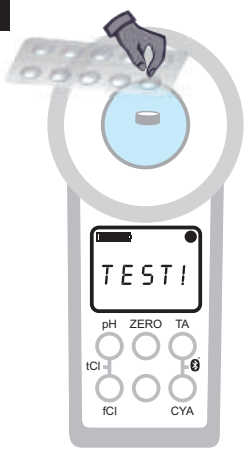
6



7 Remove Lightshield

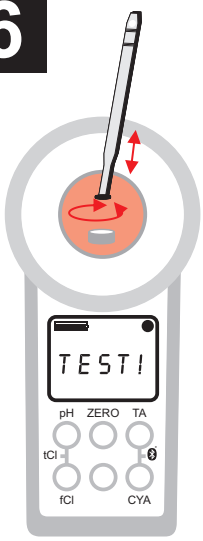


8



Reagent(s) For Your Test (Refer To Chapter In Manual)

6



Use Force!

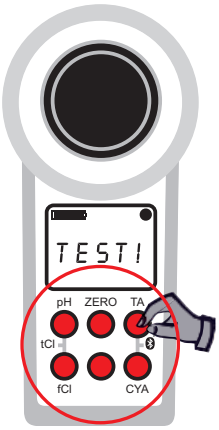
Completely Dissolved

NO Residue

7 Put On Lightshield

8

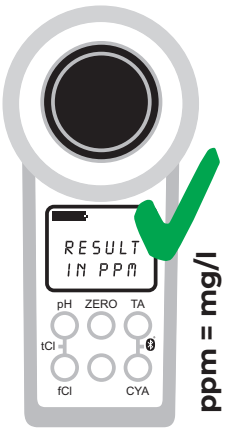
Shortcut For Your Test (Refer To Chapter In Manual)



9

Await Countdown

10



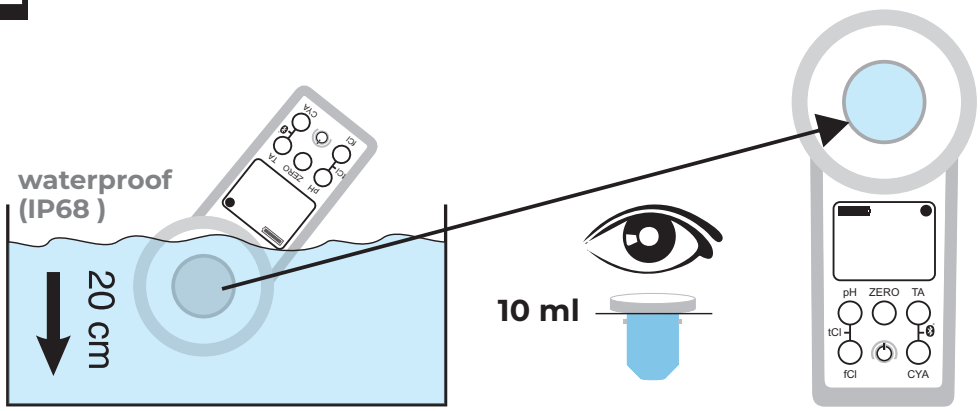
ppm = mg/l

11

Empty & Clean

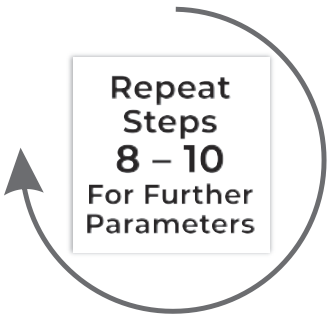
12

For Next Test: Take 10ml*



13

***If Device Was Not Switched Off, Start From Step 8**

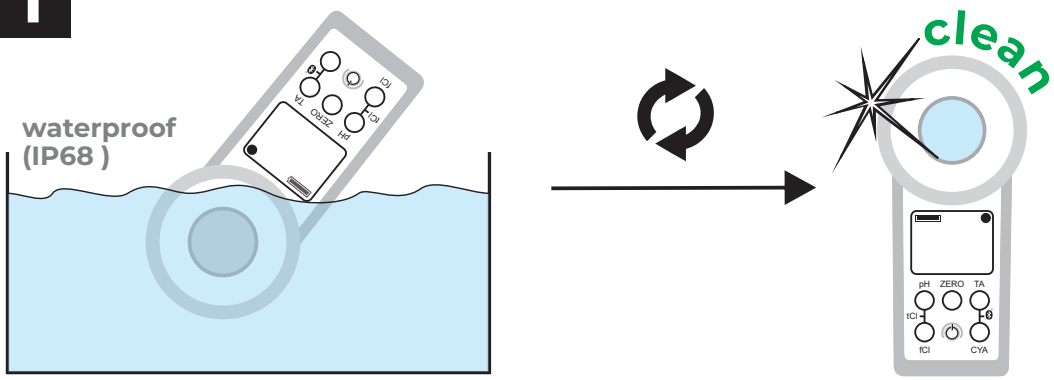


***If Device Was Switched Off, Start From Step 3**

End Of Quick Start Guide | Einde van de snelstartgids | Slutning af kvikstartvejledning | Hızlı Başlangıç Kılavuzunun Sonu | Конец краткого руководства по началу работы

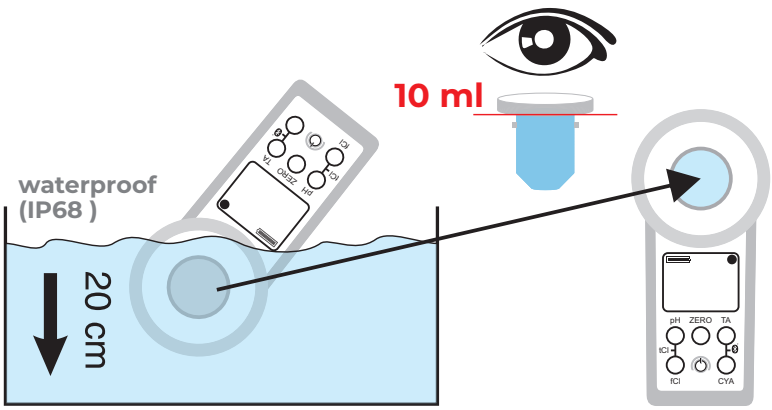
ZERO

1

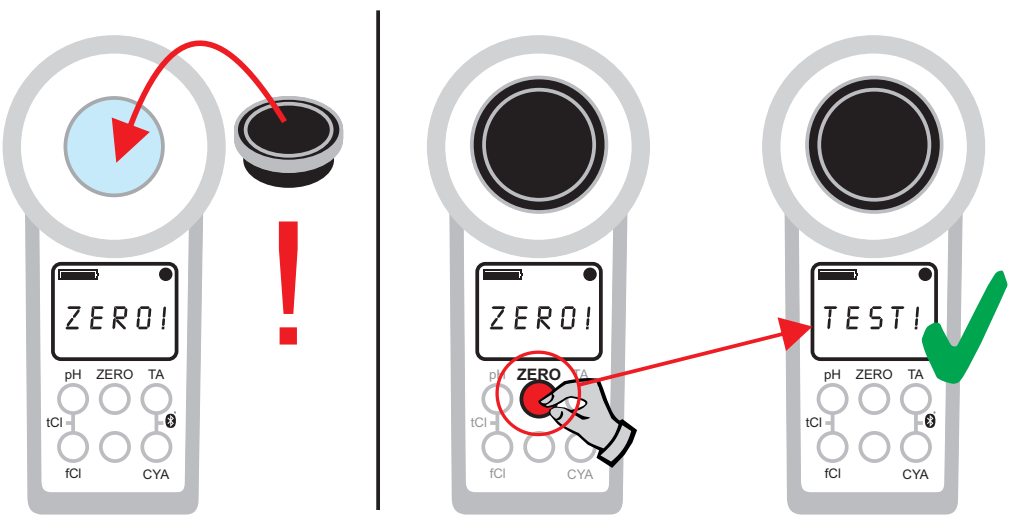


2

Take 10 ml Water Sample



3



! Only 1 Time Per Test Batch | Slechts 1 keer per test batch Kun 1 gang pr. testbatch | Her test yığını için yalnızca 1 zaman | Только 1 раз в тестируемой партии !

The "ZERO" step (page 18) 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 " ZERO " stap (pag. 18) is slechts eenmaal nodig na het inschakelen. Zorg ervoor dat het te meten water **geen (!)** tablet/ reagens in de cuvette bevat en dat de lichtbeschermkap op zijn plaats zit. Indien u de "ZERO" stap niet voor elke volgende meting herhaalt, gelieve dan na de laatste en voor de volgende meting de cuvet te ledigen en opnieuw te vullen met het te meten water.

Trin "ZERO" (side 18) er kun nødvendigt én gang efter tændingen. Sørg for, at det vand, der skal måles, **ikke (!)** indeholder tabletter/reagens i kuvetten, og at lysbeskyttelsesdækslet er på plads. Hvis du ikke gentager "ZERO" før hver efterfølgende måling, skal du tømme kuvetten efter den sidste og før den næste måling og fylde den på ny med det vand, der skal måles.

„ZERO" adımı (sayfa 18) açıldıktan sonra yalnızca bir kez gereklidir. Ölçülecek suyun küvette herhangi bir tablet/reaktif içermediğinden (!) ve ışık koruma kapağının yerinde olduğundan emin olun. Sonraki her ölçümden önce "ZERO"ı tekrarlamazsanız, lütfen küveti son ölçümden sonra ve bir sonraki ölçümden önce boşaltın ve ölçülecek suyla yeni doldurun.

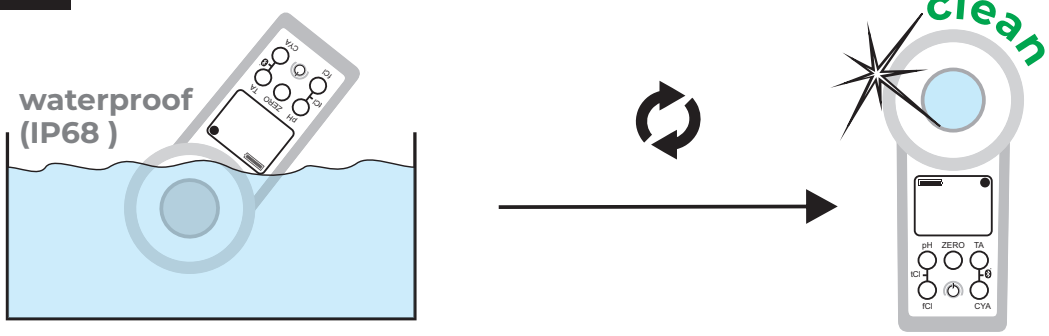
Шаг "ZERO" (стр. 18) необходимо выполнить только один раз после включения. Убедитесь, что измеряемая вода не **содержит** (!) таблеток/реагентов в кювете и что светозащитная крышка находится на месте. Если вы не повторяете "ZERO" перед каждым последующим измерением, пожалуйста, опорожните кювету после последнего и перед следующим измерением и вновь наполните ее водой для измерения.

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

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

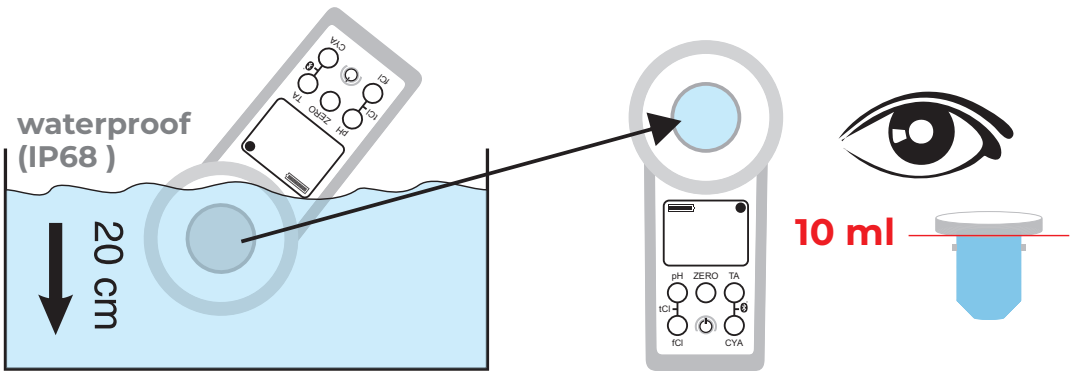
*not part of standard equipment

1



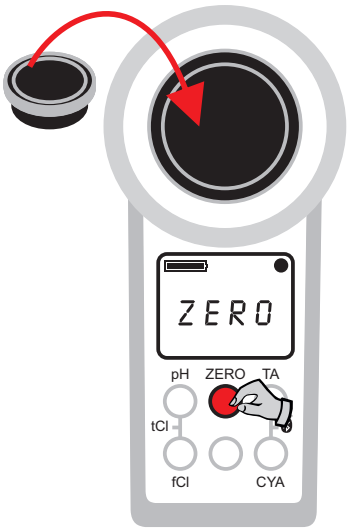
2

Take 10 ml Water Sample



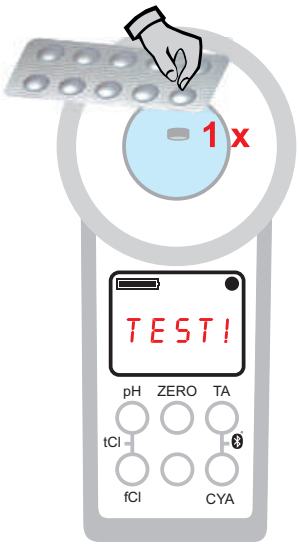
3

ZERO! (p.18)

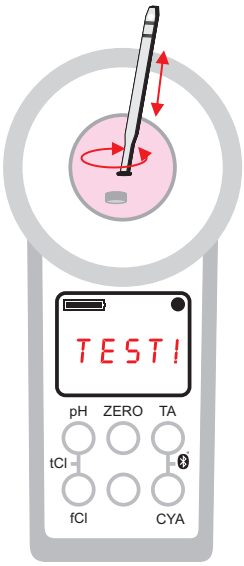


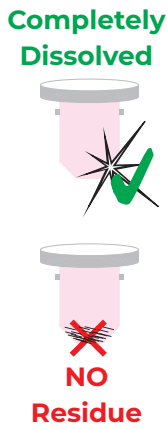
4

1 x DPD N°4
Photometer*



5





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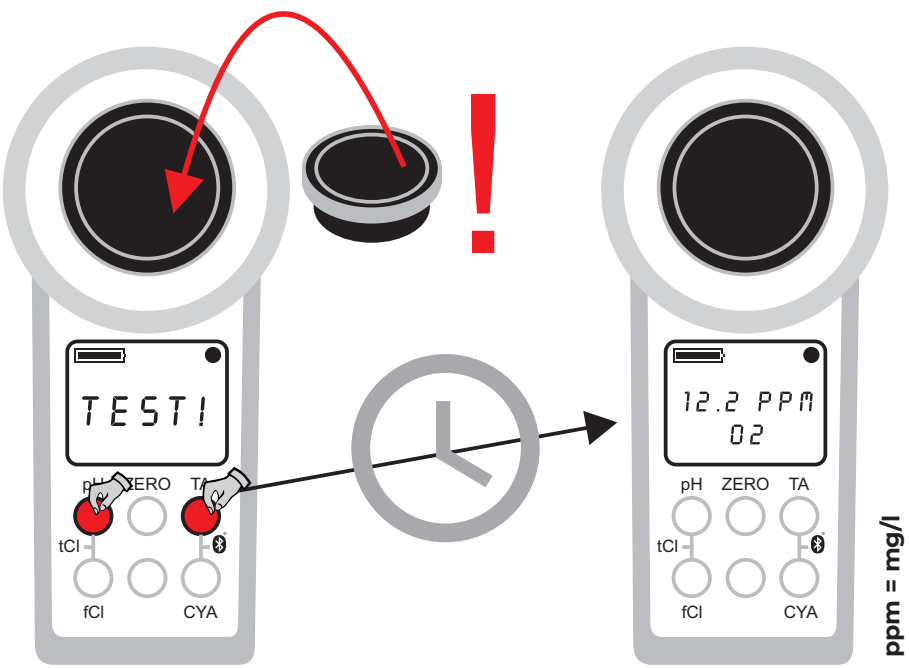
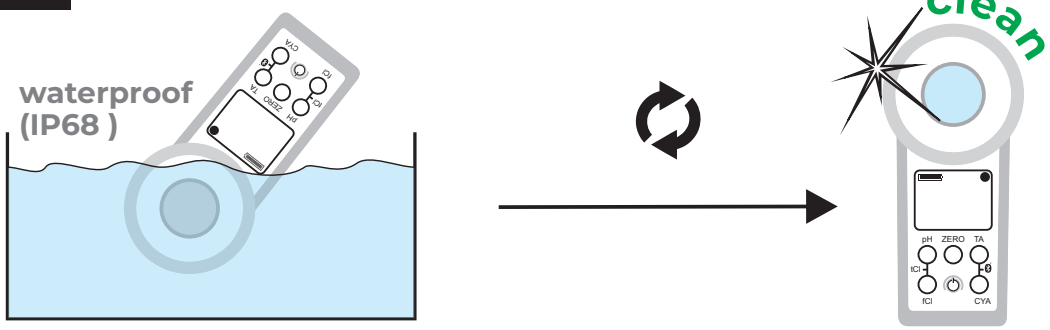


Alkalinity
Alkaliteit
Alkalinitet
Alkalilik
Щелочность

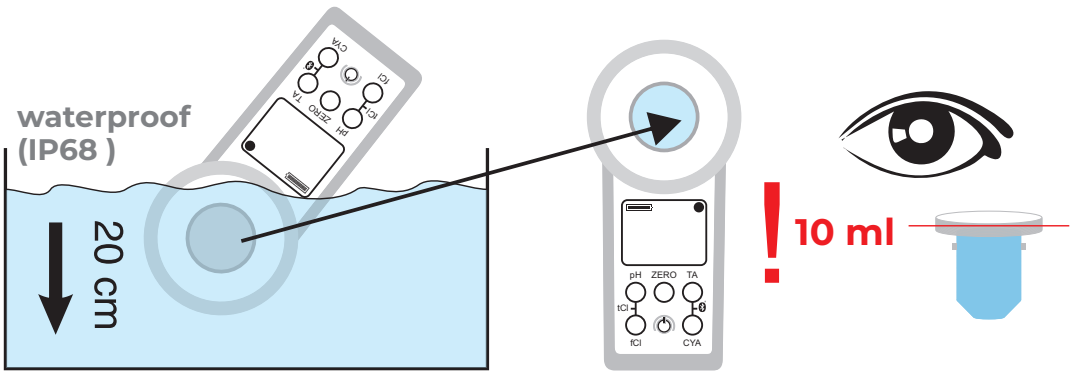
0 – 200 ppm (mg/l) $CaCO_3$
Alkalinity–M Photometer

1



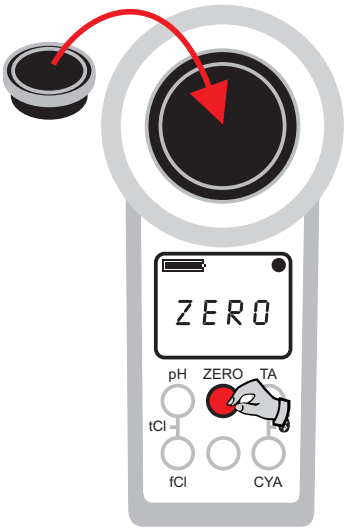
2

Take 10 ml Water Sample



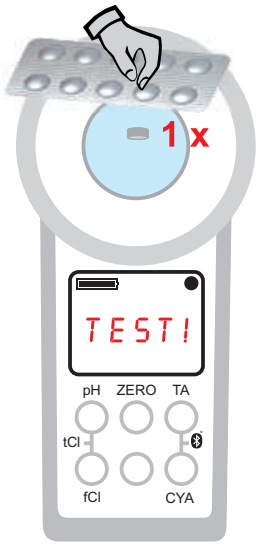
3

ZERO! (p.18)



4

1 x Alkalinity-M Photometer



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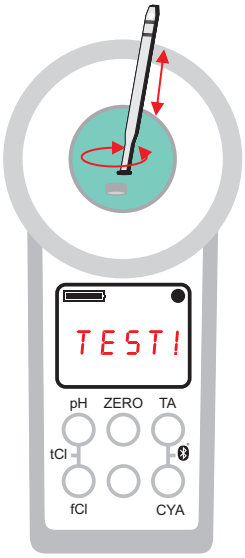

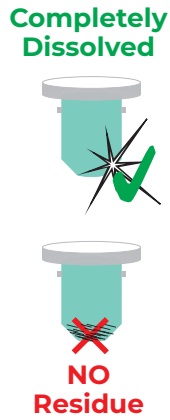

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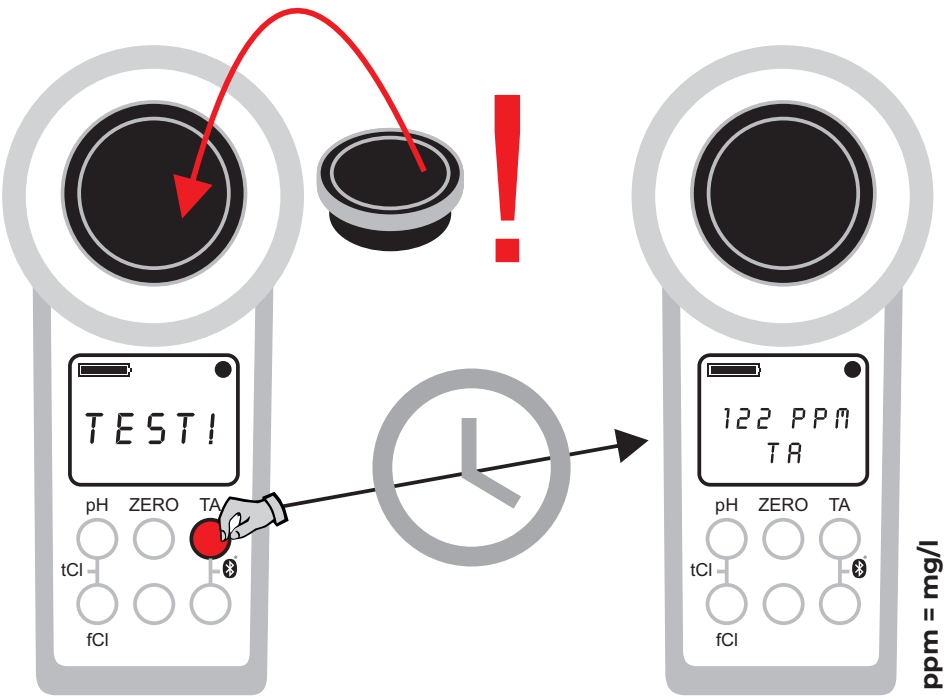


Bromine
Brom
Bromo
Brome
Bromo

Tablet Mode:

0.00 – 18.00 ppm (mg/l)
DPD N°1 Photometer Tablet
Glycine*

0.00 9.00 18.00 → OR

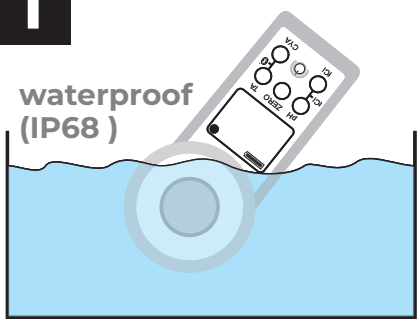
Liquid Mode:

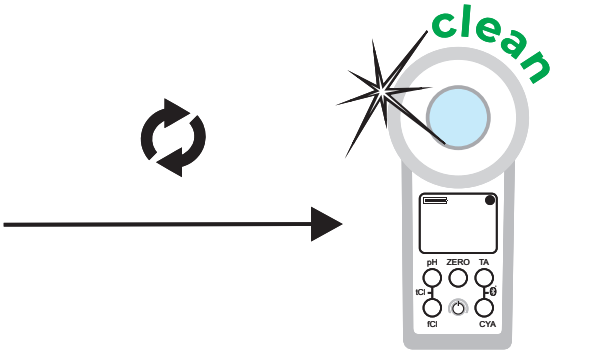
0.00 – 9.00 ppm (mg/l)
DPD 1A + DPD 1B Liquid*
Glycine*

0.00 4.00 9.00 → OR

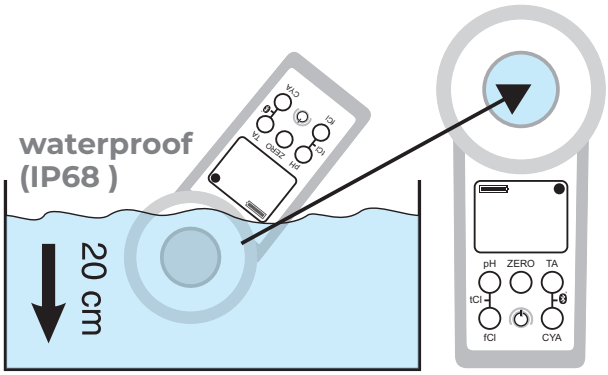
*not part of standard equipment

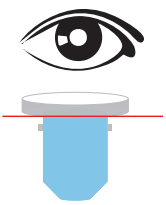
1



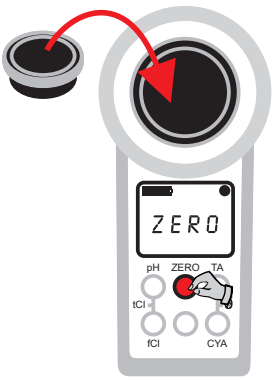


2 Take 10 ml Water Sample





3 ZERO! (p.18)



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 ontsmettingsmiddelen gebruikt), moet de volgende procedure "A" worden gevolgd en moet het reagens Glycine* 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 bromin) skal du følge procedure **"B".**

Yalnızca su örneğiniz Brom'un yanında Klor içeriyorsa (her iki dezenfektan kullanılır), aşağıdaki prosedür "A" izlenmelidir ve Glisin* reaktifi kullanılmalıdır. Aksi takdirde (yalnızca Brom bulunur), lütfen "B" prosedürünü uygulayın.

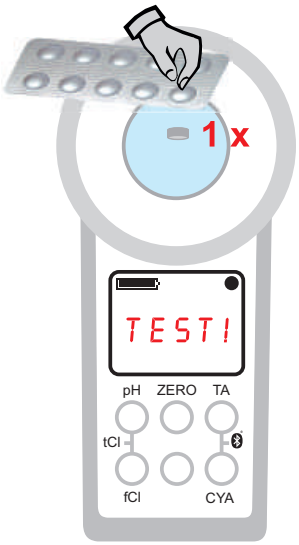
Только если в образце воды наряду с бромом содержится хлор (используются оба дезинфицирующих средства), необходимо выполнить процедуру "A" и использовать реактив Глицин*. В противном случае (присутствует только бром), пожалуйста, следуйте процедуре **"B".**

A

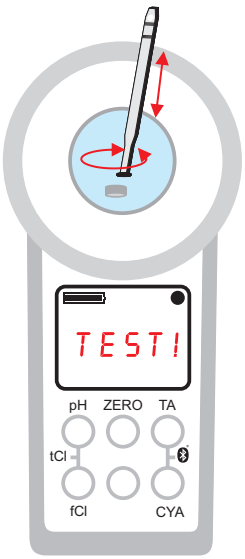
With Chlorine | Met chloor | Med klor
Klor ile | С хлором

4A

1 x Glycine*



5A



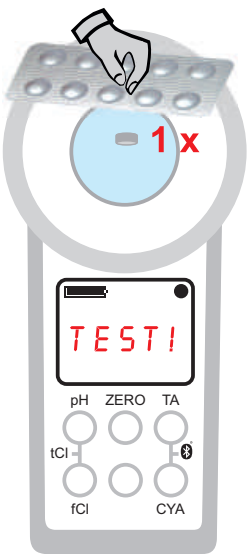
Completely dissolved

NO Residue

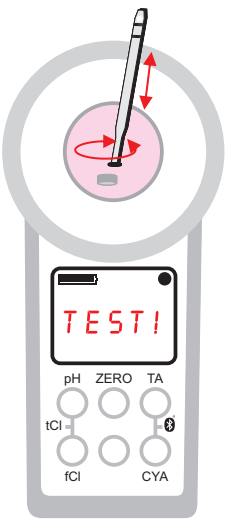
6A

Tablet Or Liquid? (p. 10)

1 x DPD N°1	Photometer
3 x DPD 1A +	3 x DPD 1B



7A



Completely dissolved

NO Residue

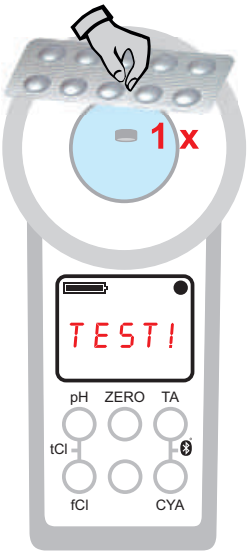
B

Without Chlorine | Zonder chloor
Uden klor | Klorsuz | Без хлора

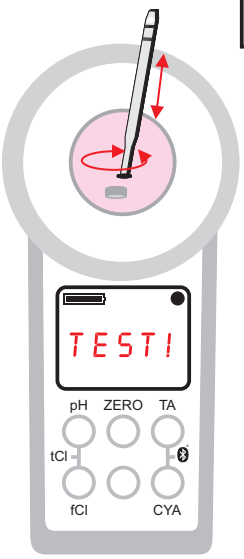
4B

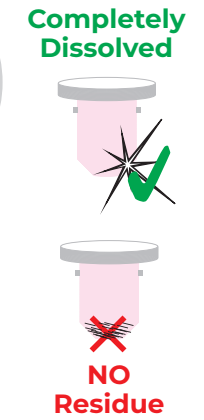
Tablet Or Liquid? (p. 10)

1 x DPD N°1 Photometer	
	3 x DPD 1A + 3 x DPD 1B

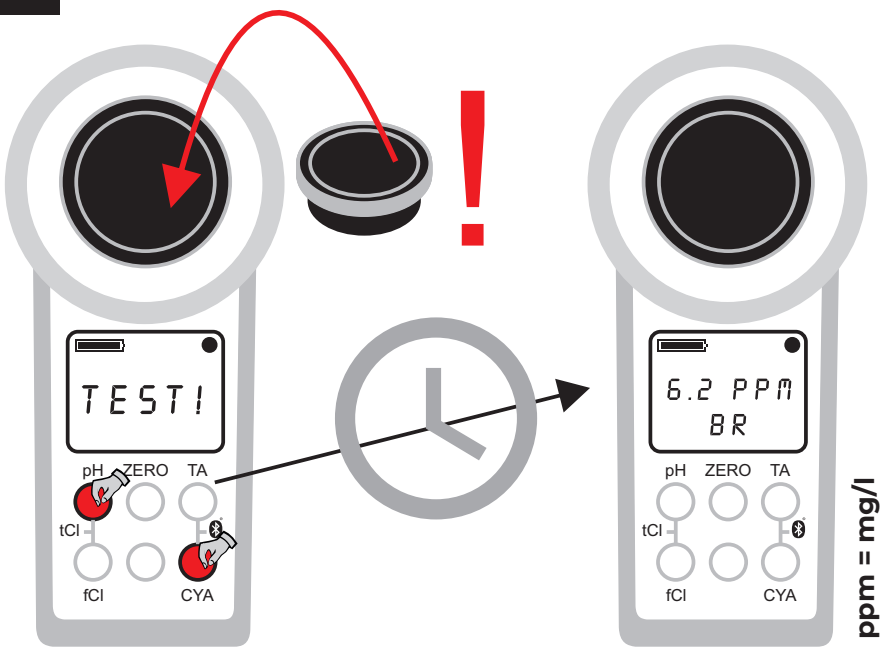


5B





8A/6B



Calcium Hardness
Calciumhardheid
Calciumhårdhed
Kalsiyum Sertliği
Твердость кальция

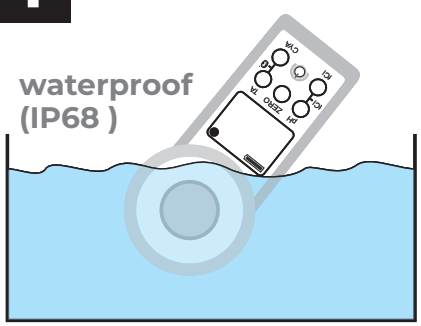
0 – 500 ppm (mg/l) $CaCO_3$

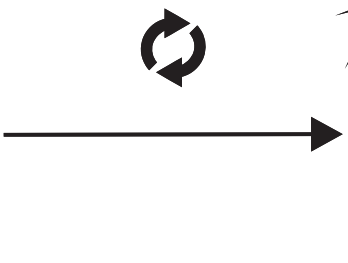
POL20CaH1* | POL20CaH2*

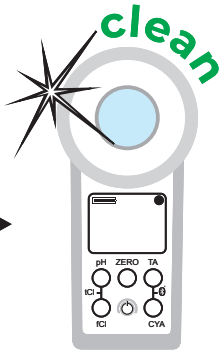
0 250 500 OR

*not part of standard equipment

1

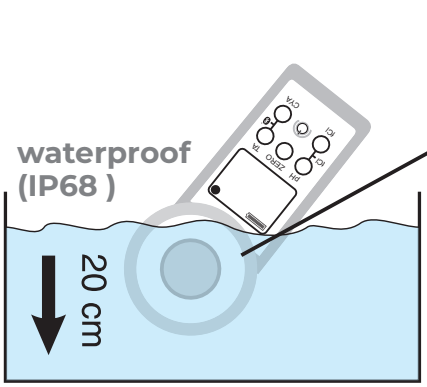


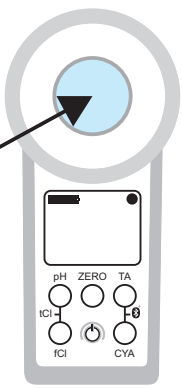


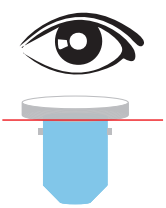


2

Take 10 ml Water Sample



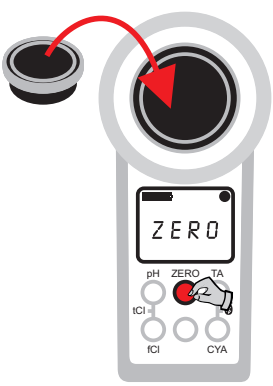




10 ml

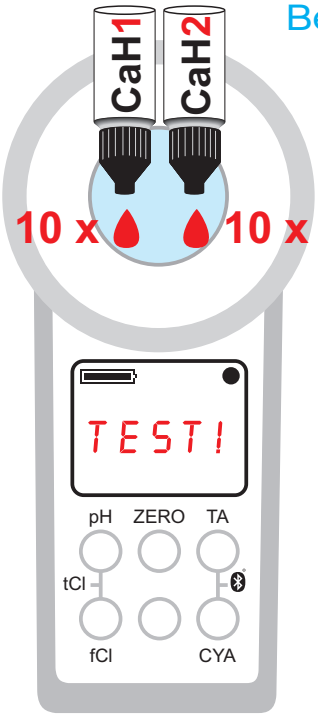
3

ZERO! (p.18)

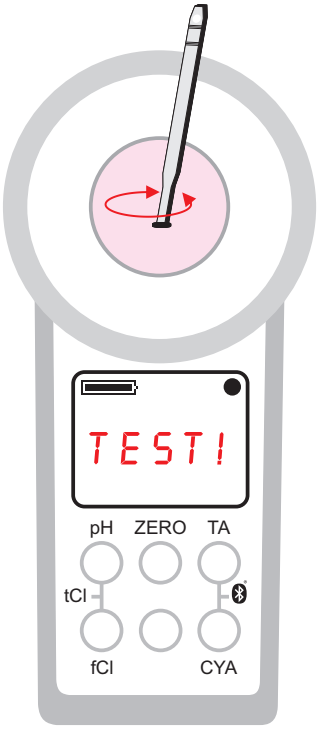


4

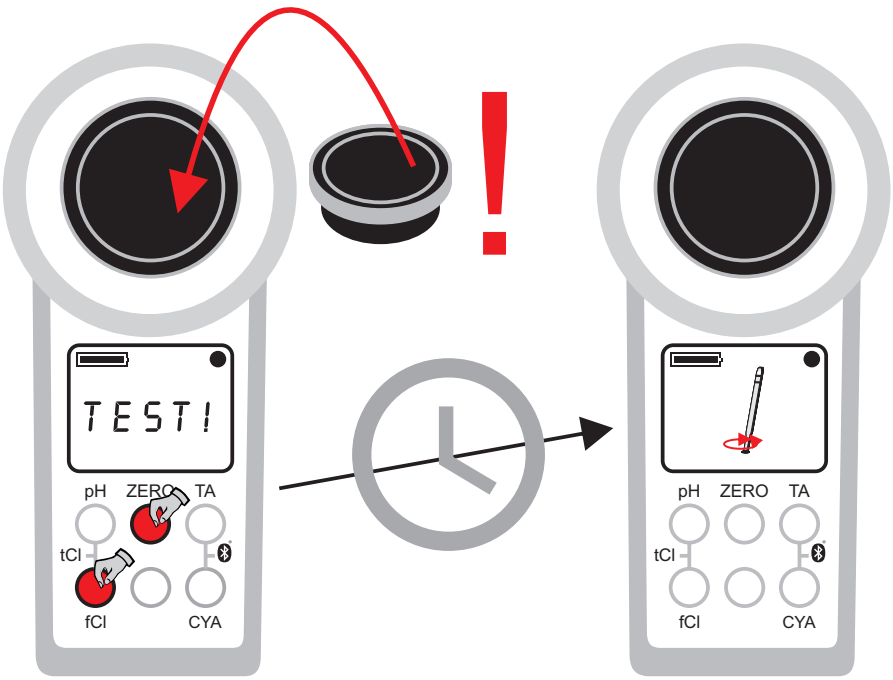
POL20CaH1*
POL20CaH2*
*Shake Before Use!



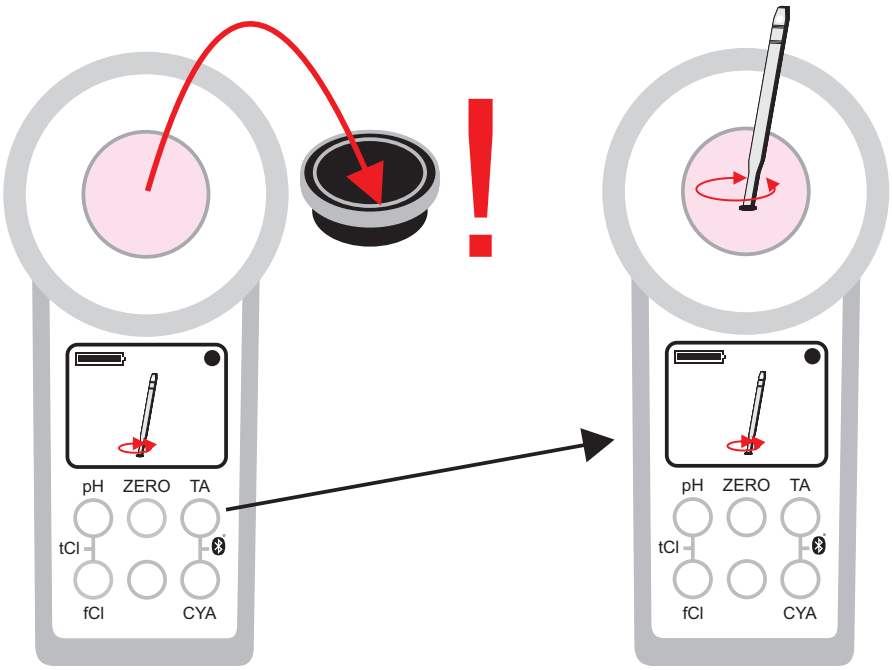
5



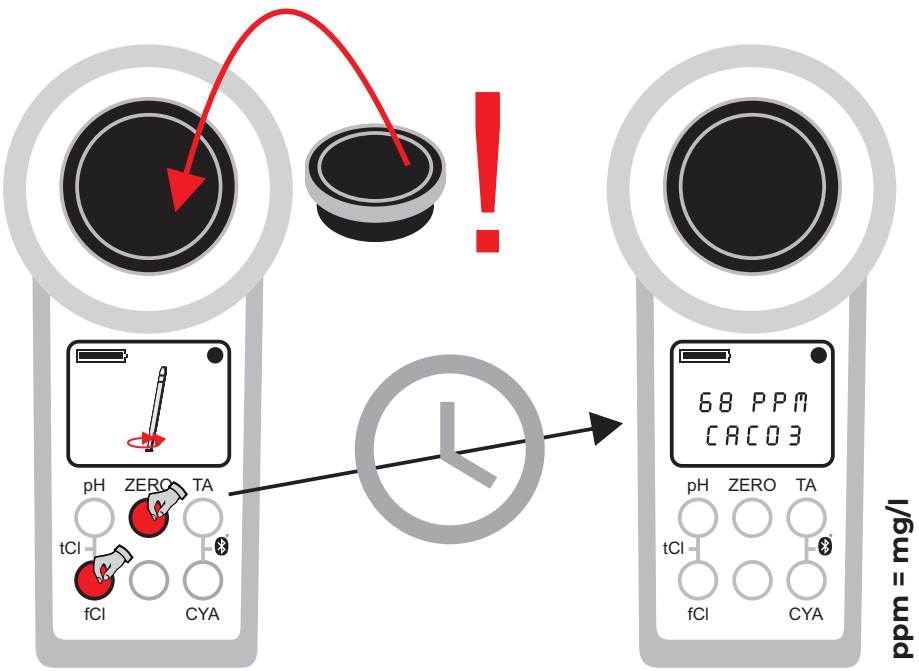
6



7


pH ZERO TA
tCl
fCl CYA
pH ZERO TA
tCl
fCl CYA

8


pH ZERO TA
tCl
fCl CYA
68 PPM
CACO3
pH ZERO TA
tCl
fCl CYA

ppm = mg/l

	$CaCO_3$ mg/l	$K_{S\ 4,3}$ mmol/l	°dH* (KH)	°e* (CH)	°f* (DC)	mval
1 mg/l $CaCO_3$	1	0.01	0.056	0.07	0.1	0.02
1 mmol/l $K_{S\ 4,3}$	100	1	5.6	7.0	10.0	2

Chlorine
Chloor
Klor
Klorlar
Хлор

Tablet Mode:

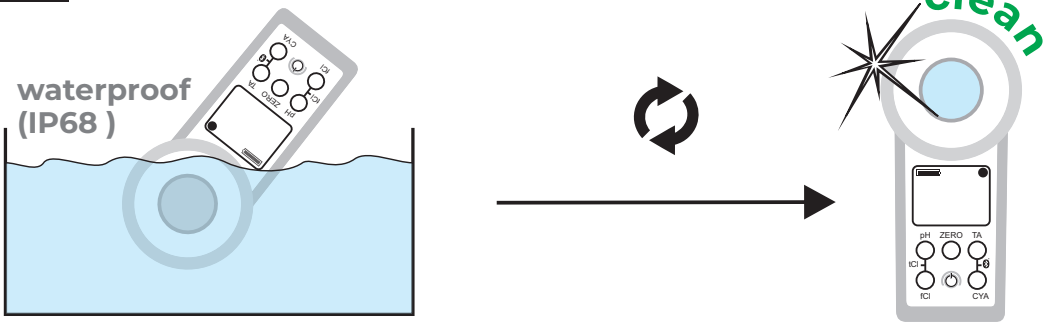
0.00 – 8.00 ppm (mg/l)
DPD N°1 Photometer
DPD N°3 Photometer Tablet

Liquid Mode:

0.00 – 4.00 ppm (mg/l)
DPD 1A* + DPD 1B* +
DPD 3C Liquid*

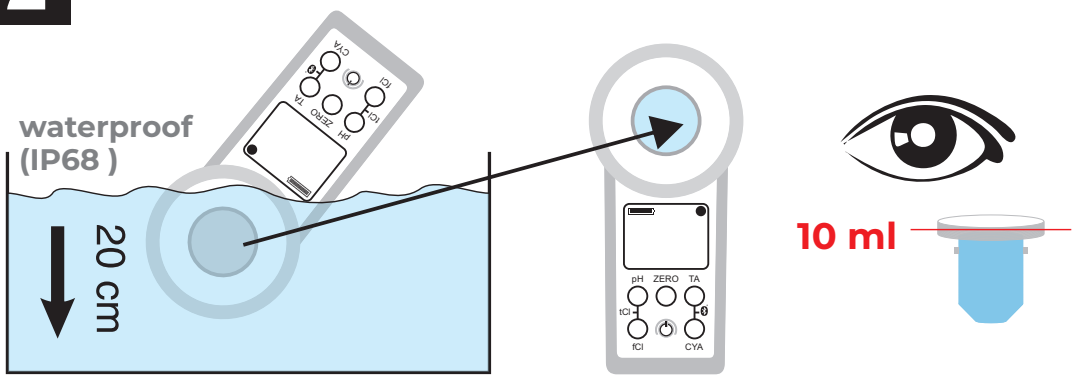
*not part of standard equipment

1



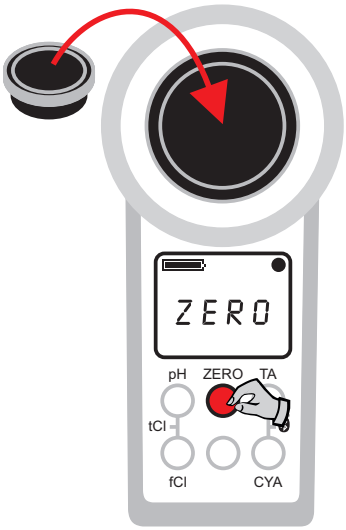
2

Take 10 ml Water Sample



3

ZERO! (p.18)

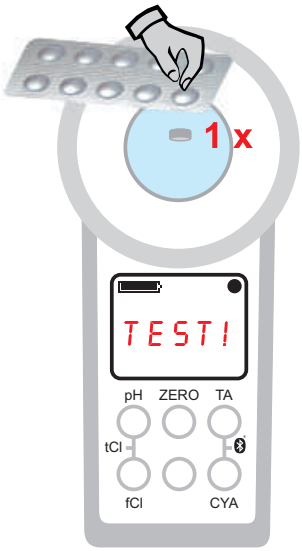


4

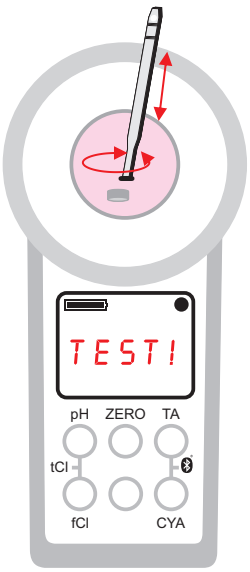
Tablet Or Liquid? (p. 10)

1 x DPD N°1 Photometer

3 x DPD 1A +
3 x DPD 1B

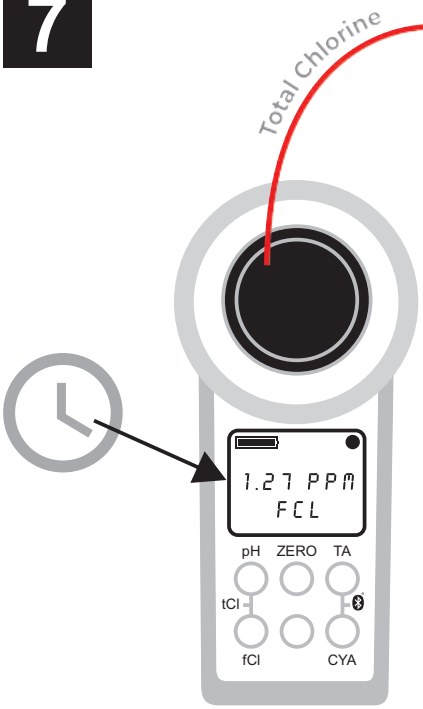


5



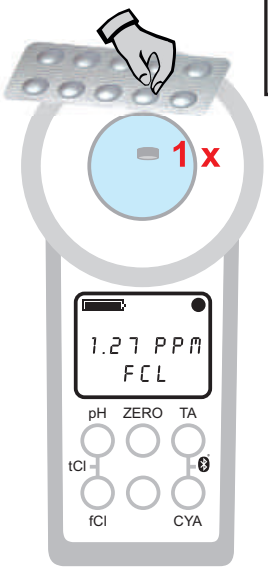
6

7

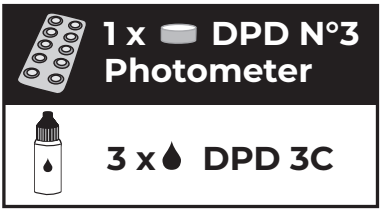


ppm = mg/l

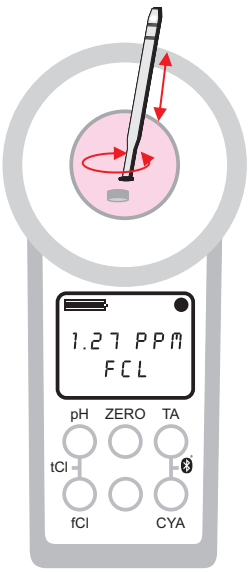
8



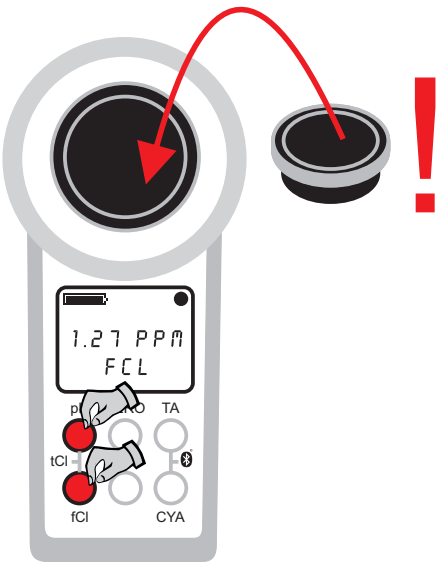
Tablet Or Liquid? (p. 10)



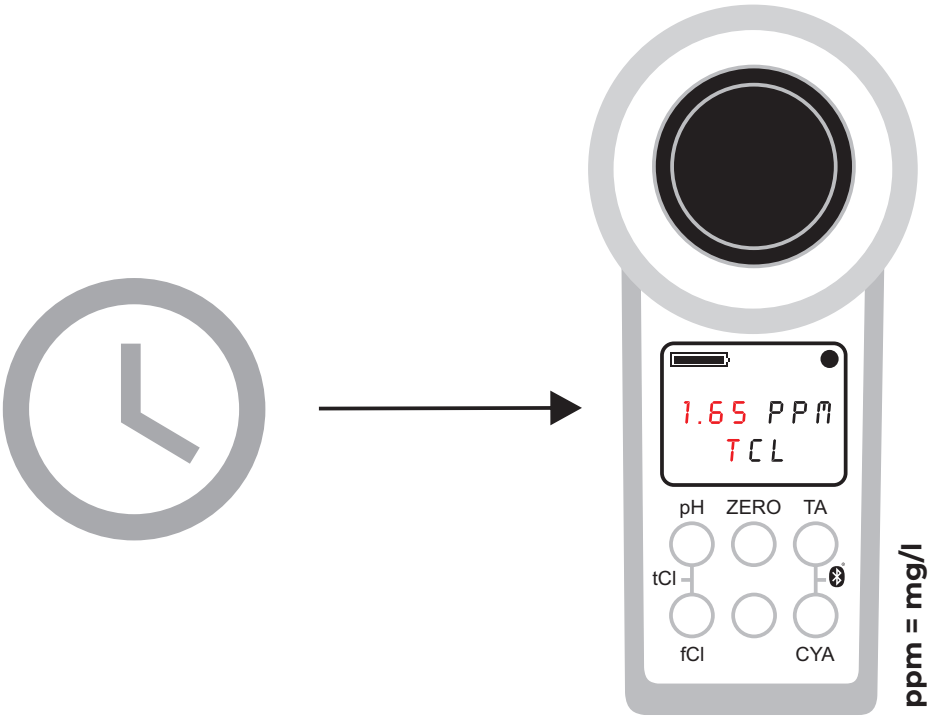
9



10



11



Total Chlorine is measured directly after free Chlorine without emptying the cuvette. The DPD 3 tablet is added to the sample water which already contains the DPD 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. Het DPD 3 tablet wordt toegevoegd aan het monsterwater dat reeds het DPD 1 tablet bevat (opgelost). Gecombineerd chloor wordt berekend als totaal chloor min vrij chloor. **De meting van vrij chloor moet binnen 1 minuut na het oplossen van de tablet worden uitgevoerd. Daarna kunnen de meetwaarden voortdurend stijgen.**

Samlet klor måles direkte efter frit klor uden at tømme kuvetten. DPD 3-tabletten tilsættes til prøvevandet, som allerede indeholder DPD 1-tabletten (opløst). Kombineret klor beregnes som samlet klor minus frit klor. **Målingen af frit klor skal foretages inden for 1 minut efter opløsningen af tabletten. Herefter kan de målte værdier stige kontinuerligt.**

Toplam klor, küveti boşaltmadan serbest klordan hemen sonra ölçülür. DPD 3 tableti, halihazırda DPD 1 tableti (çözünmüş) içeren numune suyuna eklenir. Kombine Klor, Toplam Klor eksi serbest Klor olarak hesaplanır. **Tablet çözüldükten sonra 1 dakika içinde serbest klor ölçümü yapılmalıdır. Bundan sonra ölçülen değerler sürekli olarak artabilir.**

Общий хлор измеряется непосредственно после свободного хлора без опорожнения кюветы. Таблетка DPD 3 добавляется в воду для анализа, которая уже содержит таблетку DPD 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 5.00 11.40 → OR

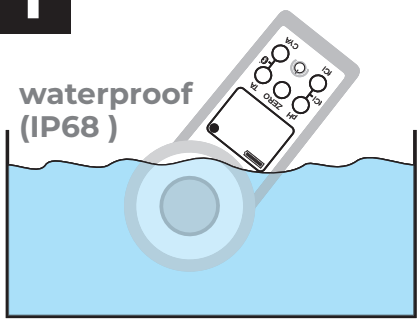
Liquid Mode:

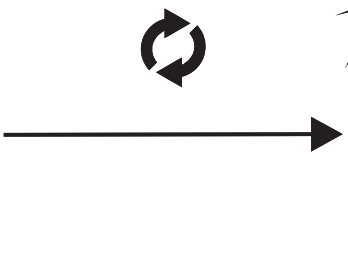
0.00 – 7.60 ppm (mg/l)
DPD 1A + 1B Liquid*
Glycine*

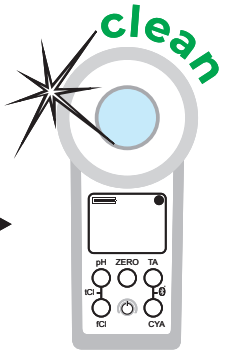
0.00 3.00 7.60 → OR

*not part of standard equipment

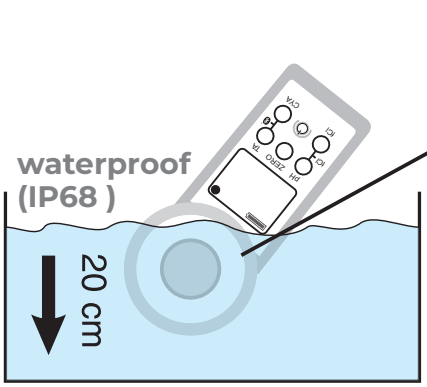
1

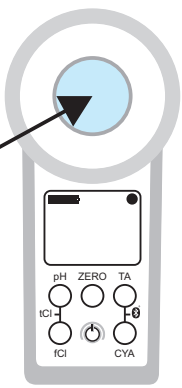


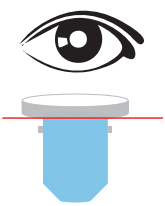




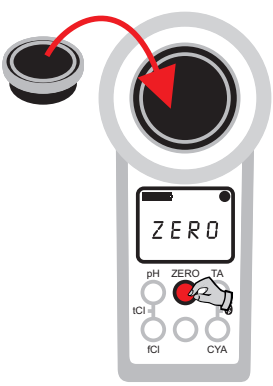
2 Take 10 ml Water Sample







3 ZERO! (p.18)



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 uw watermonster naast Chloordioxide ook Chloor bevat (beide ontsmettingsmiddelen gebruikt), moet de volgende procedure "A" worden gevolgd en moet Glycine*-reagens worden gebruikt. Anders (alleen Chloordioxide aanwezig), 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 glycin*-reagens. I modsat fald (kun klordioxid) skal du følge procedure **"B".**

Yalnızca su örneğiniz Klor Dioksitin yanında Klor içeriyorsa (her iki dezenfektan kullanılır), aşağıdaki "A" prosedürü izlenmelidir ve Glisin* reaktifi kullanılmalıdır. Aksi takdirde (yalnızca Klor Dioksit mevcuttur), lütfen **"B"** prosedürünü uygulayın.

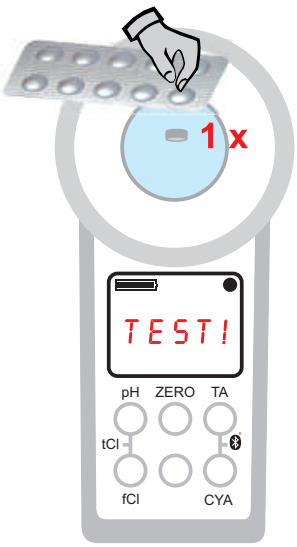
Только если в вашей пробе воды наряду с диоксидом хлора присутствует хлор (используются оба дезинфицирующих средства), необходимо выполнить следующую процедуру "А" и использовать реактив Глицин*. В противном случае (присутствует только диоксид хлора), пожалуйста, следуйте процедуре **"Б".**

A

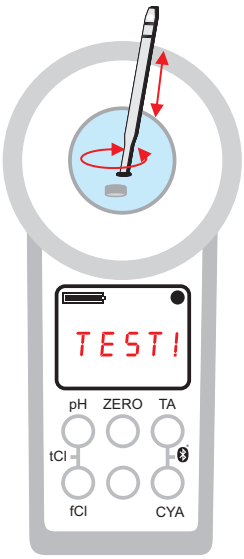
With Chlorine | Met chloor | Med klor
Klor ile | С хлором

4A

1 x Glycine*



5A



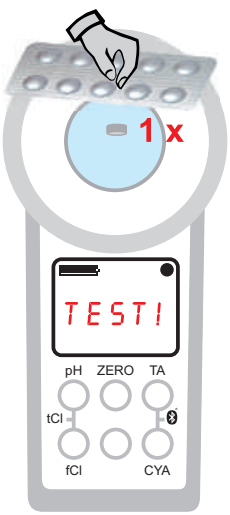
Completely Dissolved

NO Residue

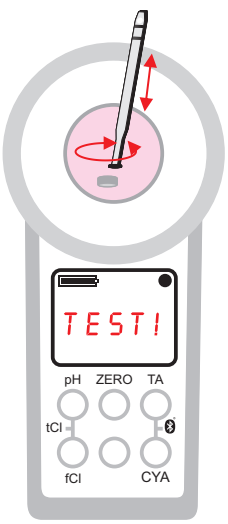
6A

Tablet Or Liquid? (p. 10)

1 x DPD N°1 Photometer	
	3 x DPD 1A + 3 x DPD 1B



7A



Completely Dissolved

NO Residue

B

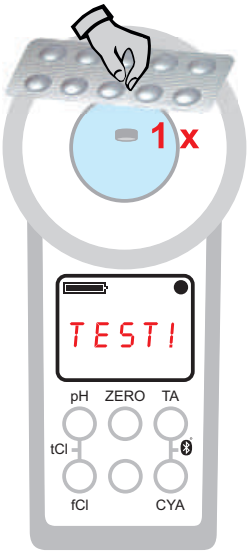
Without Chlorine | Zonder chloor
Uden klor | Klorsuz | Без хлора

4B

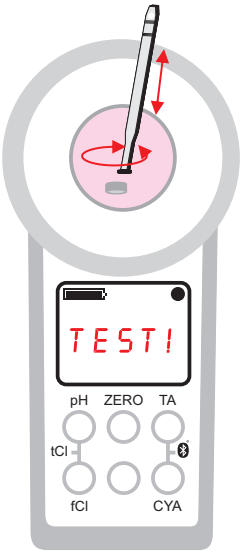
Tablet Or Liquid? (p. 10)

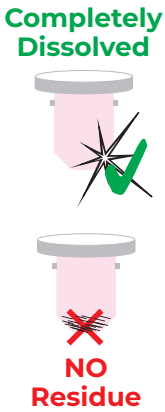
1 x DPD N°1 Photometer

3 x DPD 1A +
3 x DPD 1B

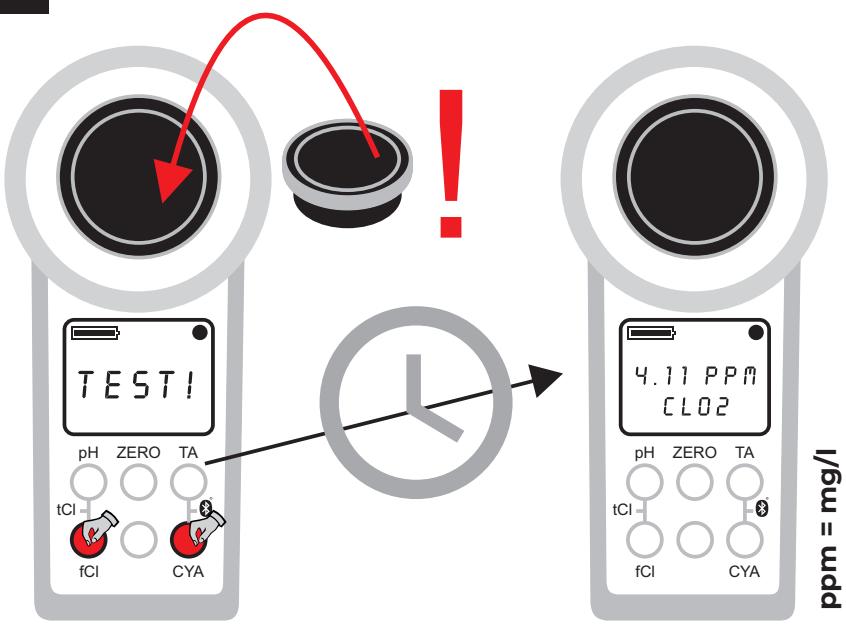


5B





8A/6B

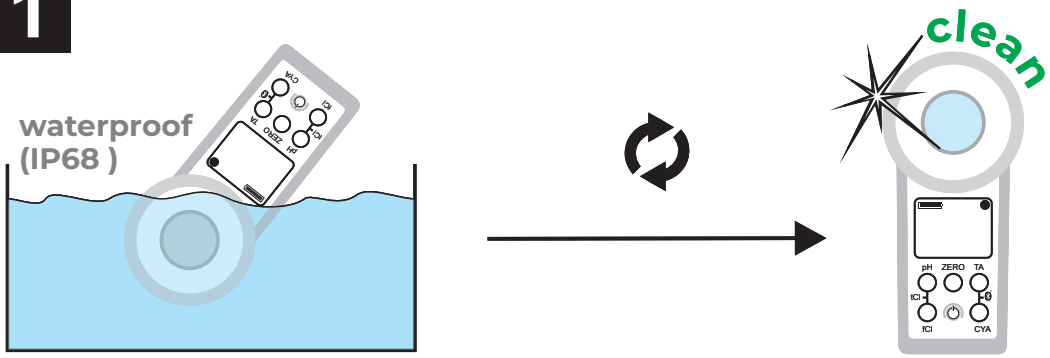


Cyanuric Acid
Cyanuurzuur
Cyanursyre
Siyanürik Asit
Циануровая кислота

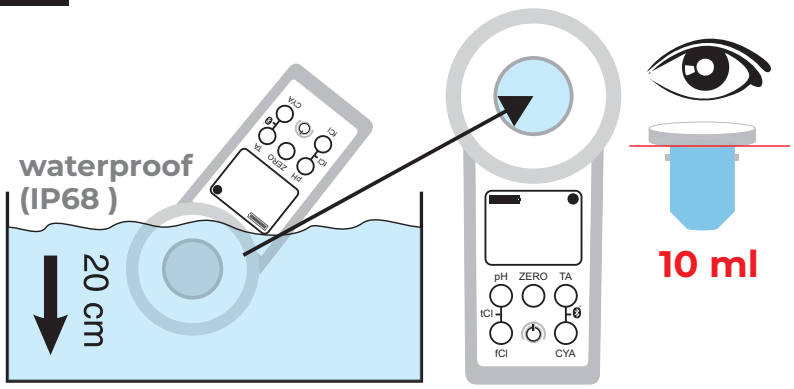
0 – 160 ppm (mg/l)
CYA–Test Photometer

0 80 160 → OR

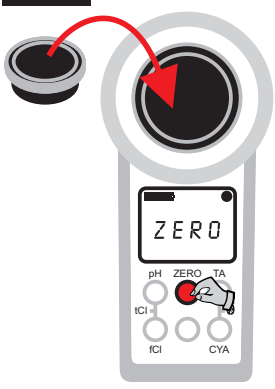
1



2 **Take 10 ml Water Sample**

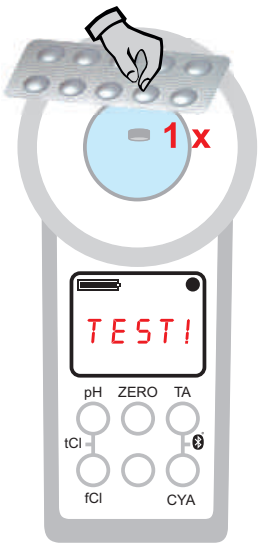


3 **ZERO!** **(p.18)**

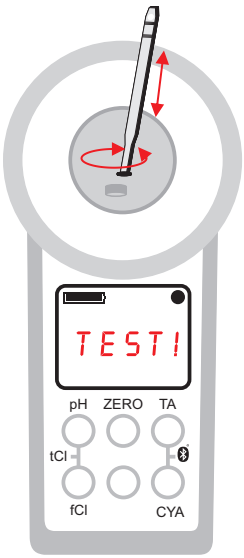


4

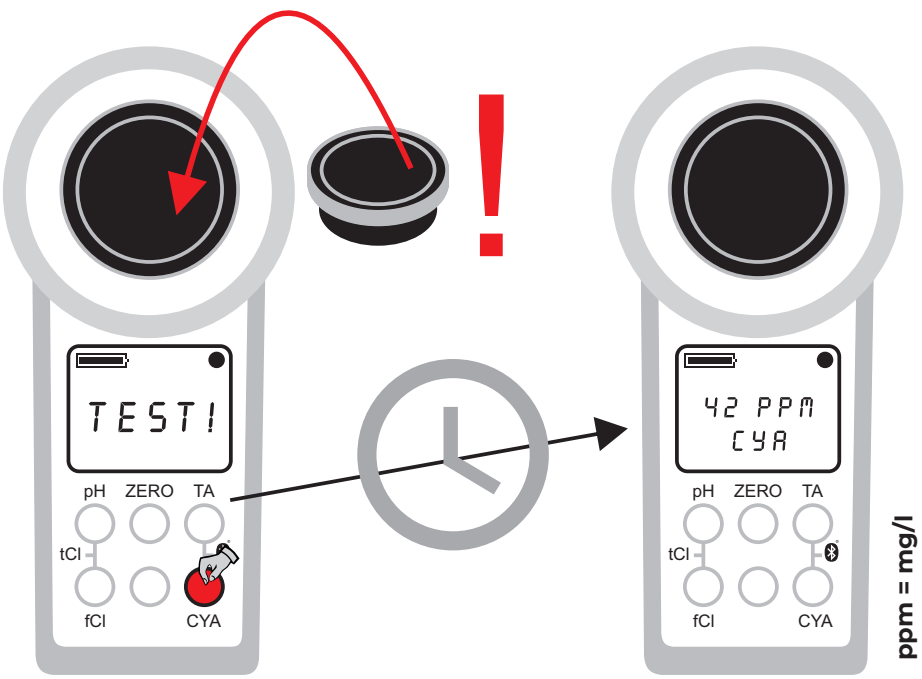
1 x CYA–Test Photometer



5



6



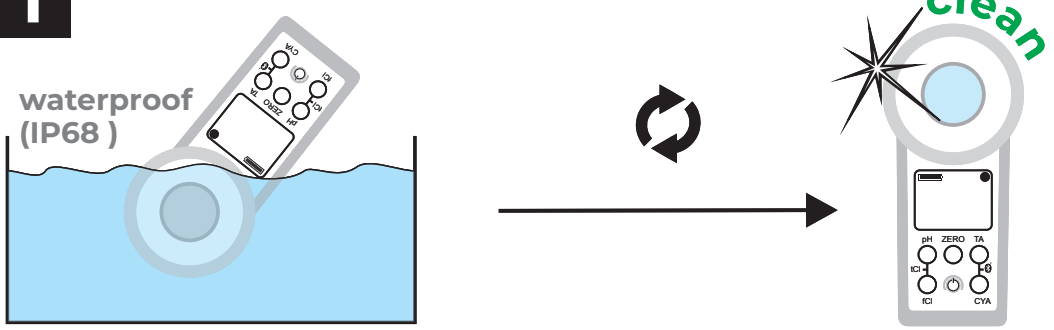
(LR)
Hydrogen Peroxide
Waterstofperoxide
Brintoverilte
Hidrojen Peroksitler
Перекись водорода

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

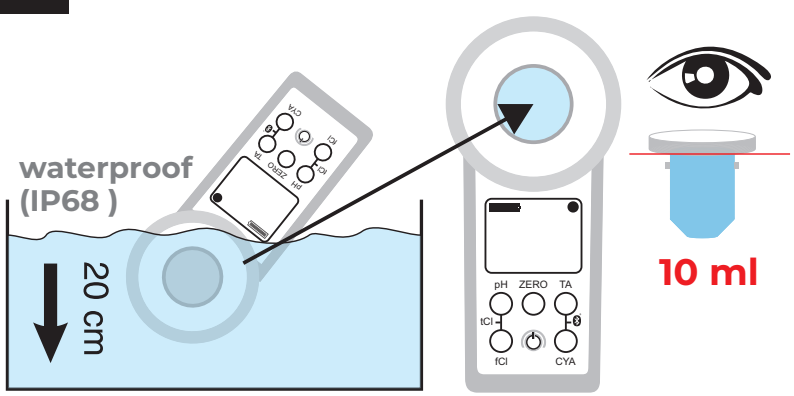
0.00 1.45 2.90 → OR

*not part of standard equipment

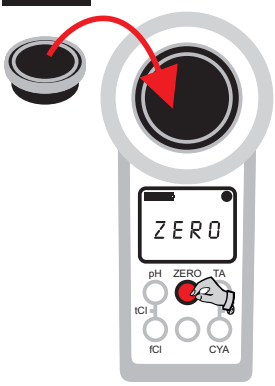
1



2 **Take 10 ml Water Sample**

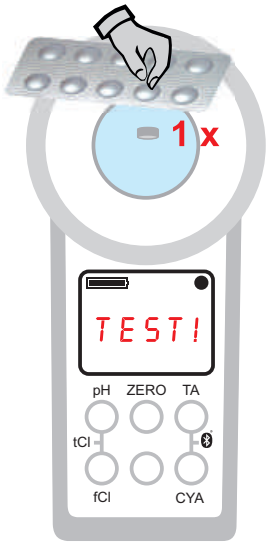


3 **ZERO!** **(p.18)**

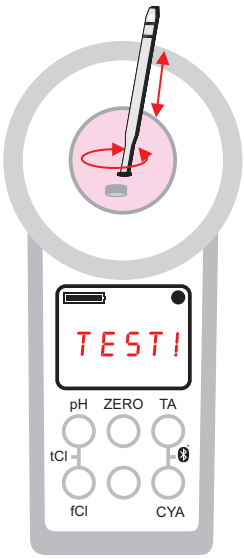


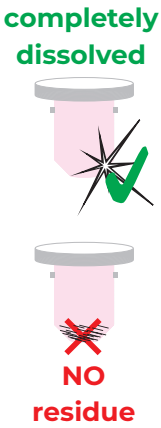
4

1 x Hydr. Peroxide LR Photometer*

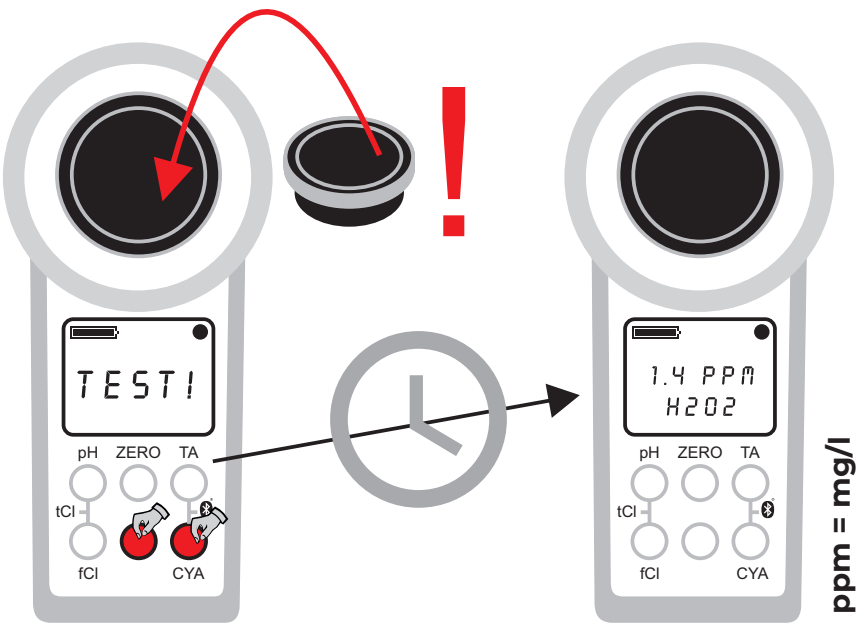


5





6



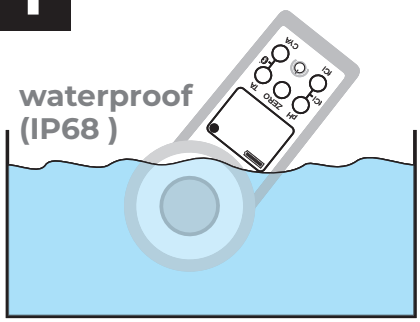
(HR)
Hydrogen Peroxide
Wasserstoffperoxid
Peróxido De Hidrógeno
Peroxyde D'Hydrogène
Perossido Di Idrogeno

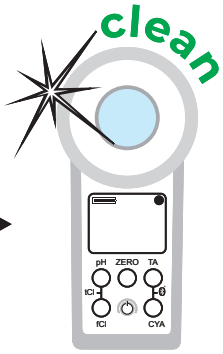
0 – 200 ppm (mg/l)

Hydr. Peroxide HR Photometer* | Acidifying PT*

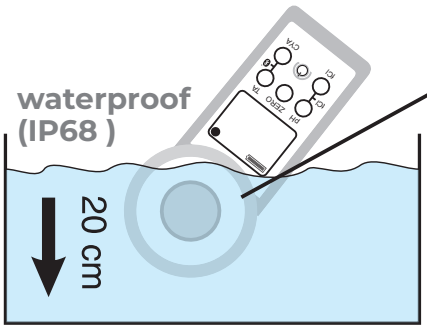
*not part of standard equipment

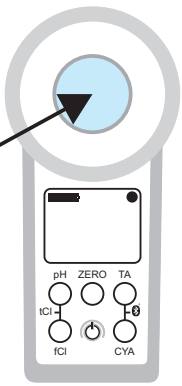
1

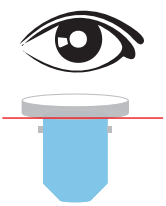




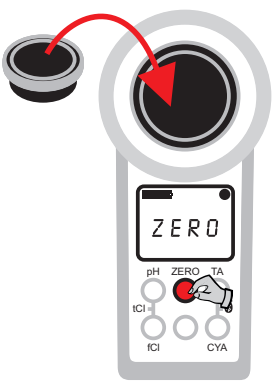
2 Take 10 ml Water Sample





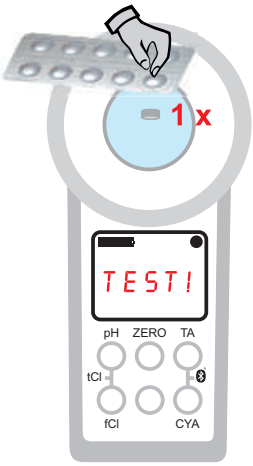


3 ZERO! (p.18)

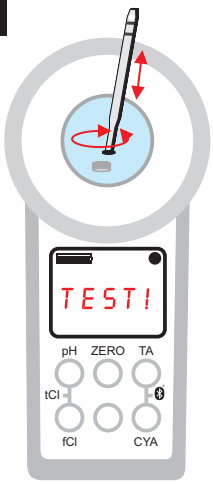


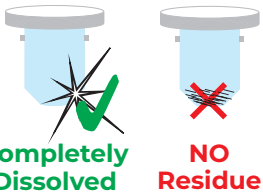
4

1 x Acidifying PT*



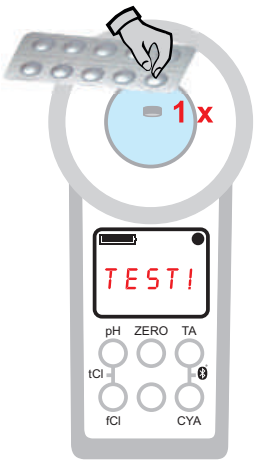
5



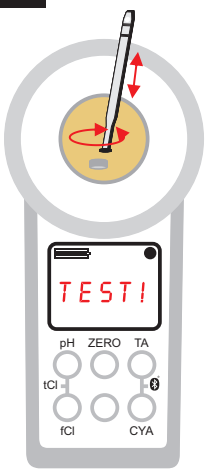


6

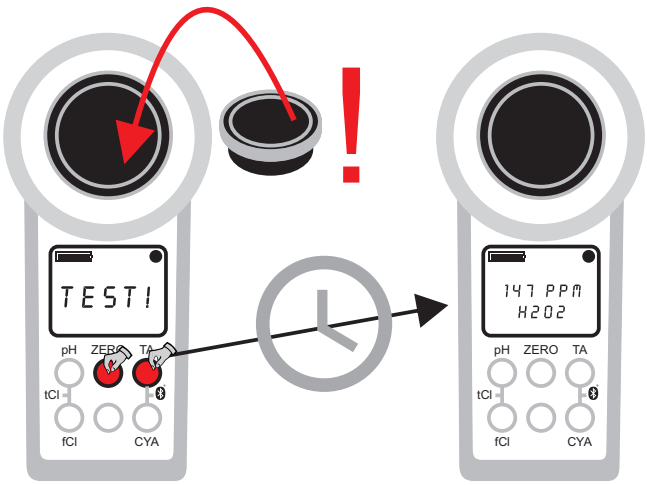
1 x Hydr. Peroxide HR Photometer*



7



8



ppm = mg/l

Ozone
Ozon
Озон

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

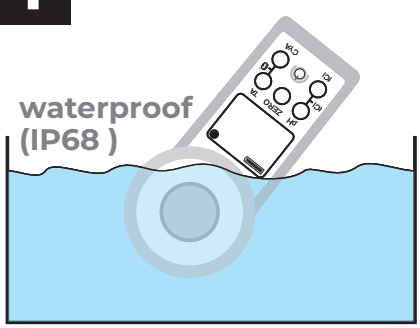
Liquid Mode:

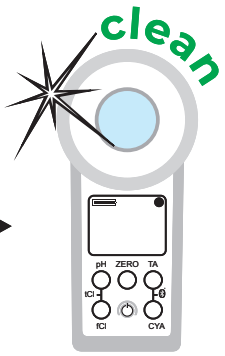
0.00 – 2.70 ppm (mg/l)
DPD 1A* + DPD 1B*
DPD 3C Liquid*
Glycine*

0.00 1.30 2.70 → OR

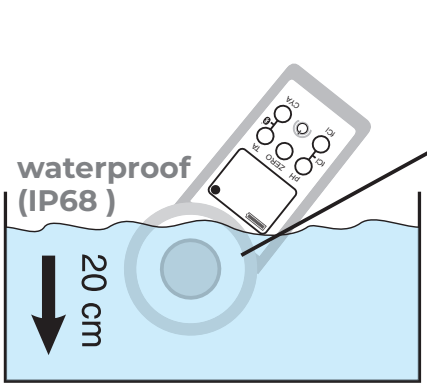
*not part of standard equipment

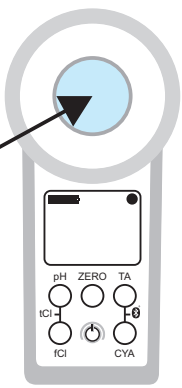
1

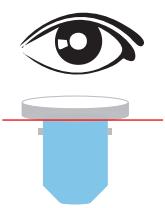




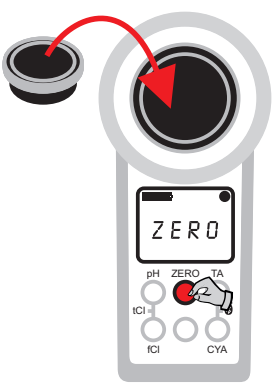
2 Take 10 ml Water Sample







3 ZERO! (p.18)



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 uw watermonster naast chloor ook ozon bevat (beide ontsmettingsmiddelen gebruikt), moet de volgende procedure "B" worden gevolgd en moet het 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) skal du følge procedure **"A".**

Yalnızca su örneğiniz Klor'un yanında Ozon içeriyorsa (her iki dezenfektan kullanılır), aşağıdaki prosedür "B" izlenmelidir ve Glisin* reaktifi kullanılmalıdır. Aksi takdirde (yalnızca Ozon mevcut), lütfen **"A"** prosedürünü izleyin.

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

A

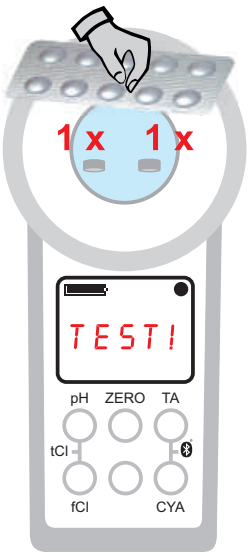
Without Chlorine | Zonder chloor
Uden klor | Klorsuz | Без хлора

4A

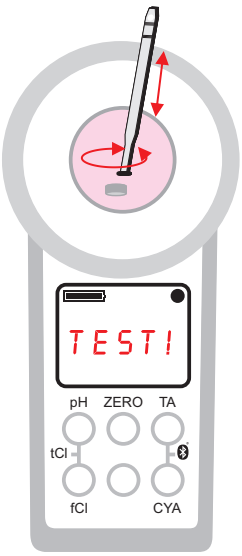
Tablet Or Liquid? (p. 10)

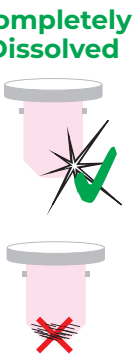
1 x DPD N°1 +
1 x DPD N°3
Photometer

3 x DPD 1A +
3 x DPD 1B +
3 x DPD 3C

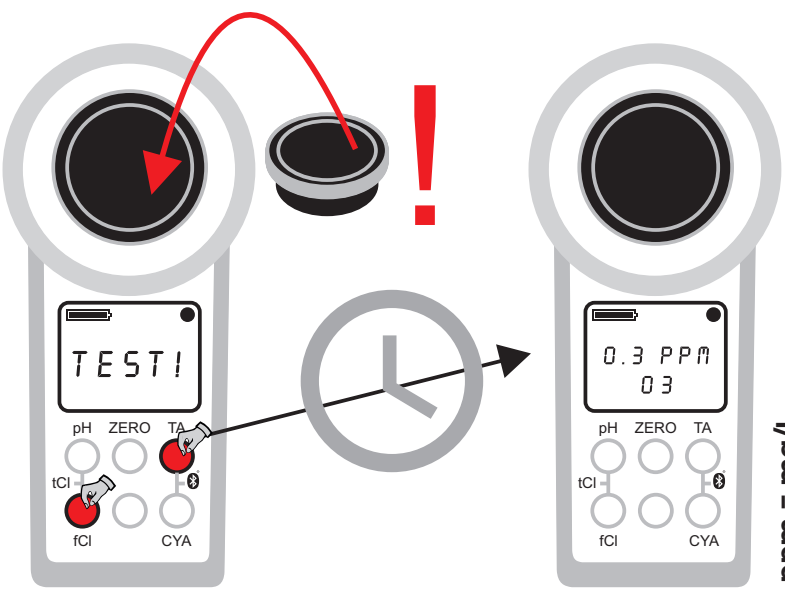


5A





6A



ppm = mg/l

B

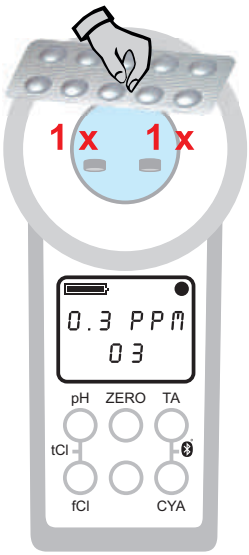
With Chlorine | Met chloor | Med klor Klor ile | С хлором

4B

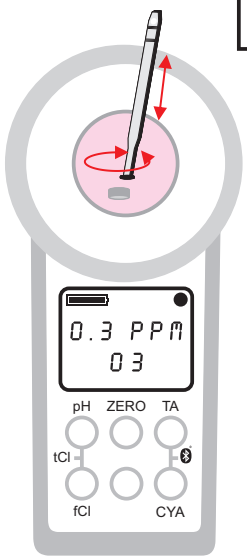
Tablet Or Liquid? (p. 10)

1 x DPD N°1 +
1 x DPD N°3
Photometer

3 x DPD 1A +
3 x DPD 1B +
3 x DPD 3C



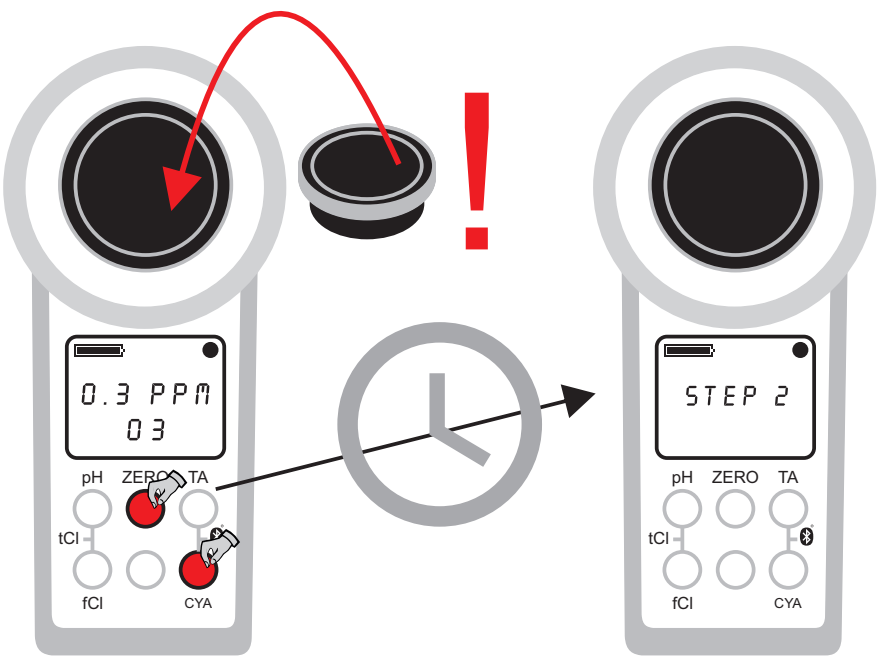
5B



Completely Dissolved

NO Residue

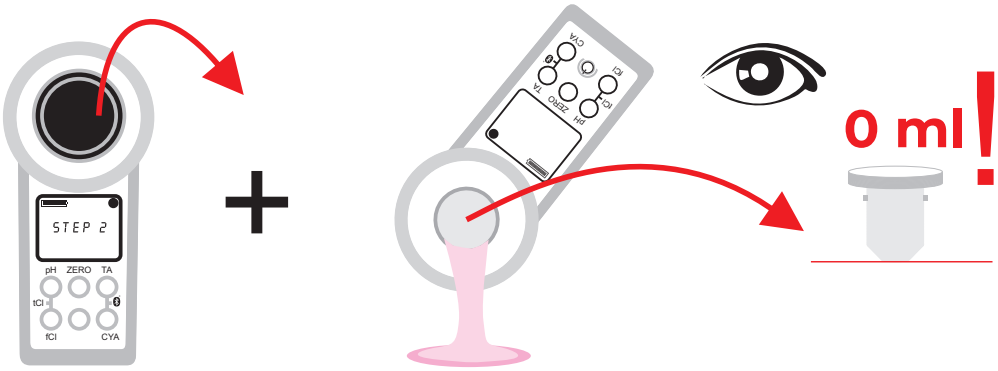
6B



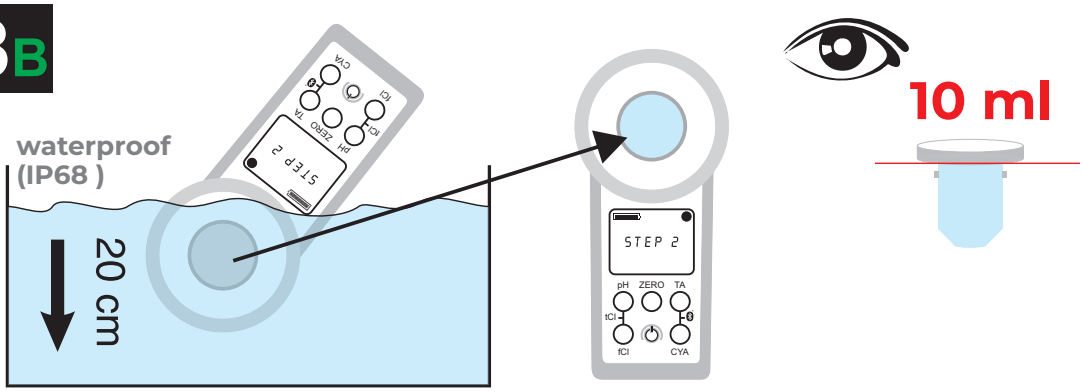
B

With Chlorine | Met chloor | Med klor
Klor ile | С хлором

7B

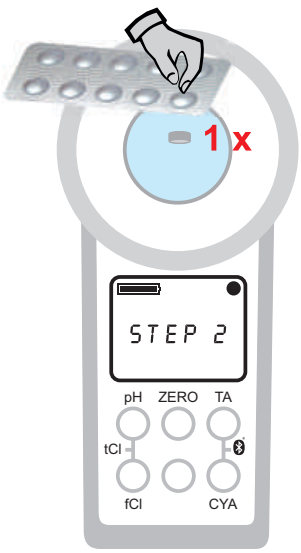


8B

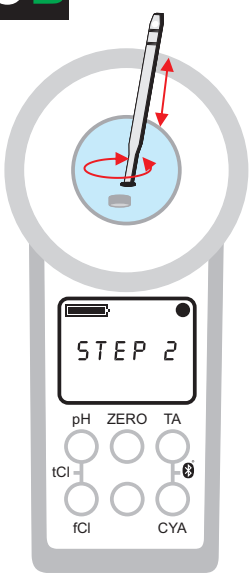


9B

1 x Glycine*



10B



Completely Dissolved

NO Residue

B

With Chlorine | Met chloor | Med klor Klor ile | С хлором

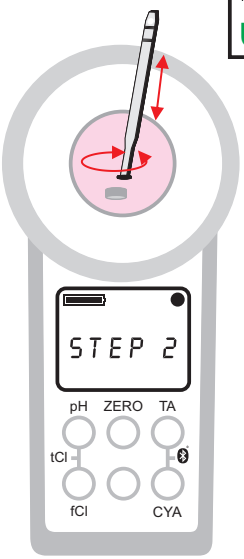
11B

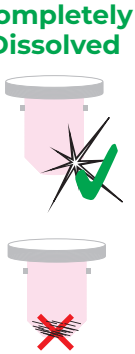
Tablet Or Liquid? (p. 10)

1 x DPD N°1 +
1 x DPD N°3
Photometer

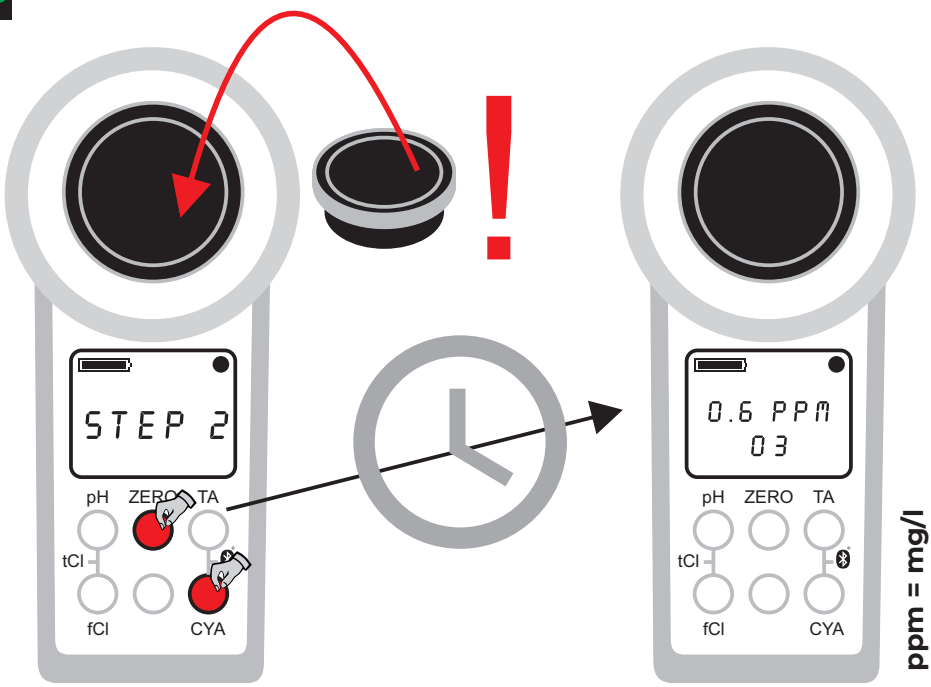
3 x DPD 1A +
3 x DPD 1B +
3 x DPD 3C

12B





13B



pH

Tablet Mode:

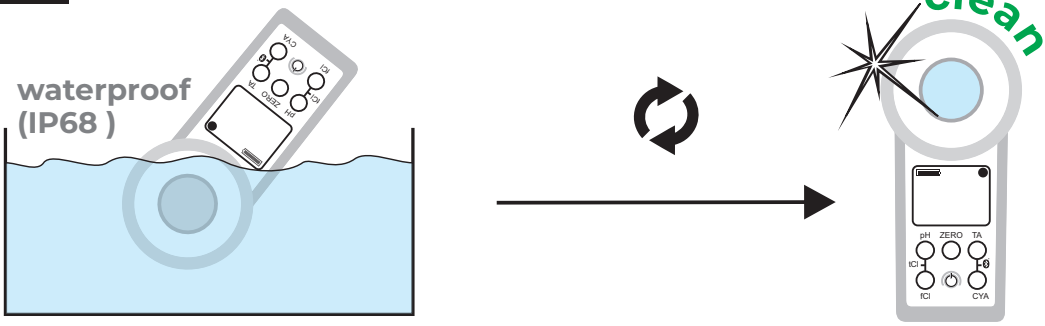
6.50 – 8.40 pH
Phenol Red Photometer

Liquid Mode:

6.50 – 8.40 pH
Phenol Red Liquid*

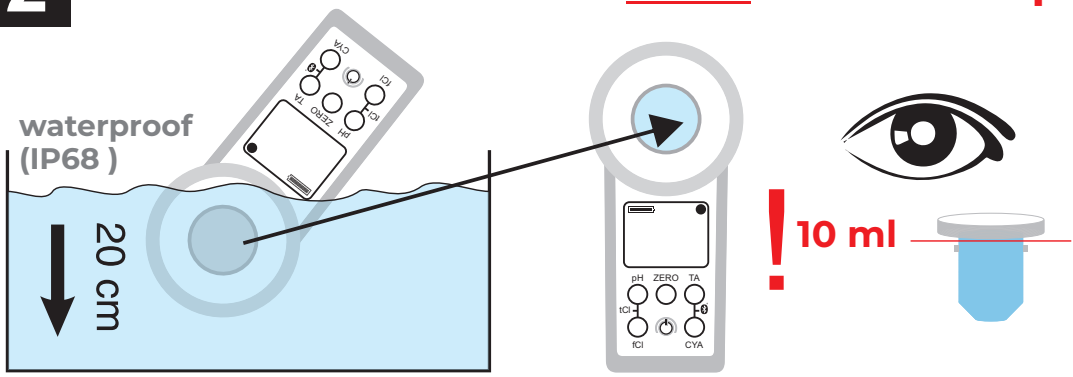
*not part of standard equipment

1



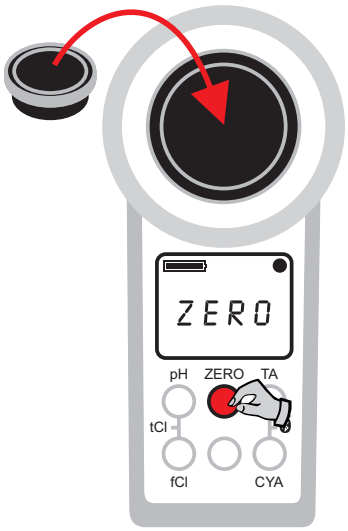
2

Take 10 ml Water Sample



3

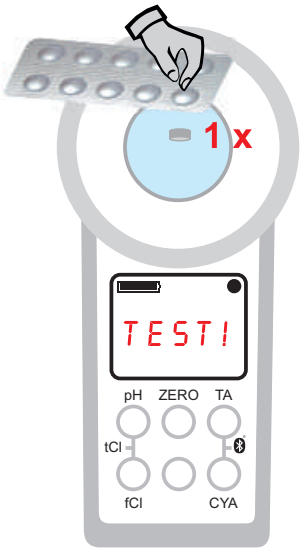
ZERO! (p.18)



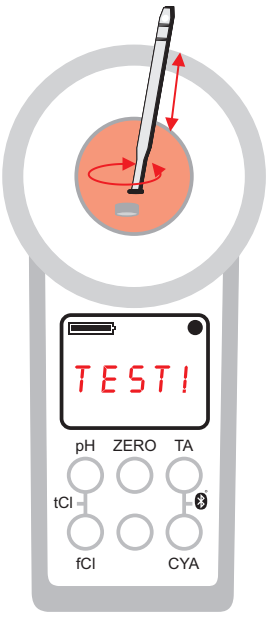
4

Tablet Or Liquid? (p. 10)

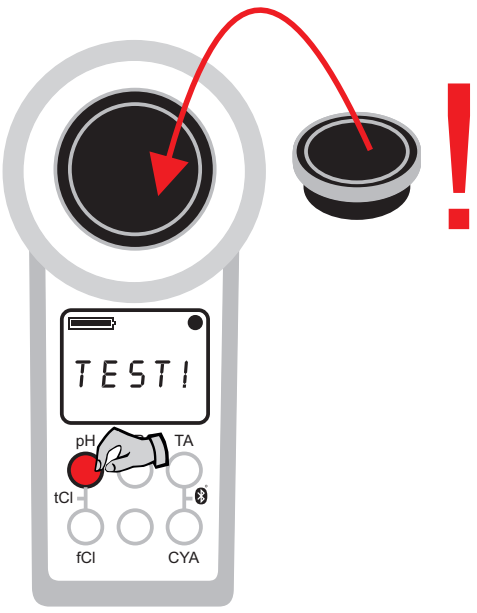
1 x Phenol Red Photometer	
	6 x Phenol Red



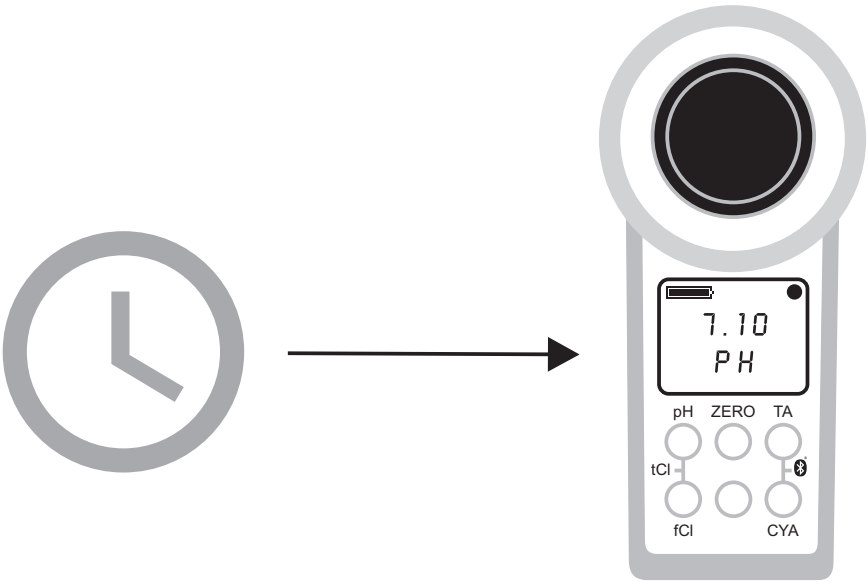
5



6



7



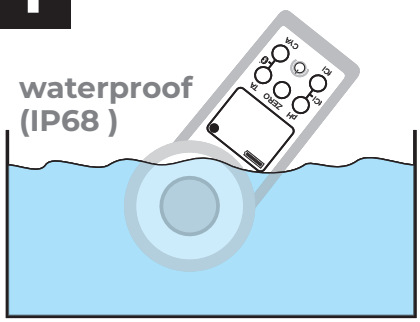
The Total Alkalinity value has to be minimum 50 mg/l to obtain a correct pH value.
De totale alkaliteit moet minimaal 50 mg/l bedragen om een correcte pH-waarde te verkrijgen.
Totalalkalinitetsværdien skal være på mindst 50 mg/l for at opnå en korrekt pH-værdi.
Doğru bir pH değeri elde etmek için Toplam Alkalinite değeri minimum 50 mg/l olmalıdır.
Для получения правильного значения pH значение общей щелочности должно быть не менее 50 мг/л.

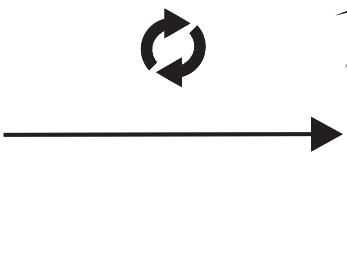
PHMB

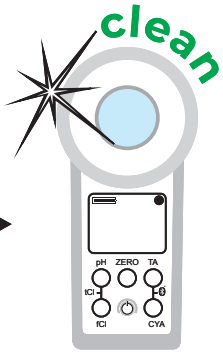
5 – 60 ppm (mg/l)
PHMB Photometer*

*not part of standard equipment

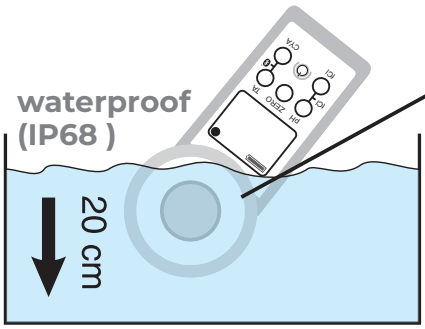
1

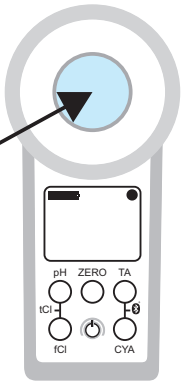


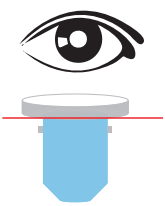




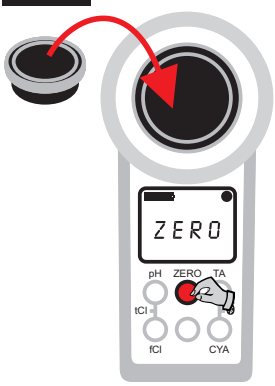
2 Take 10 ml Water Sample





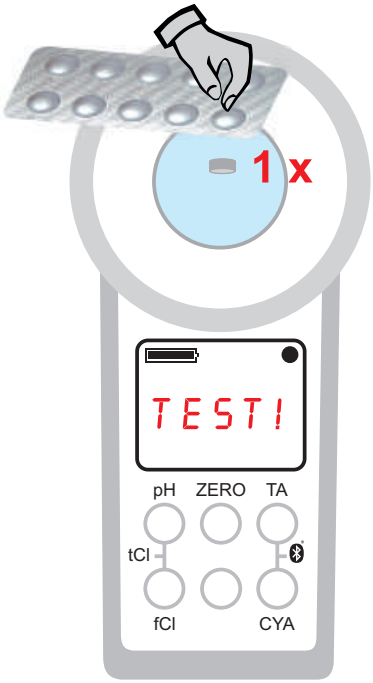


3 ZERO! (p.18)

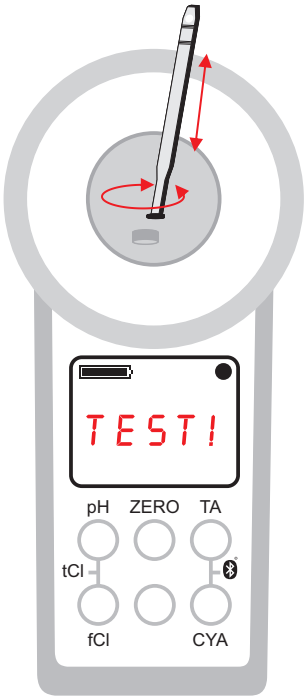


4

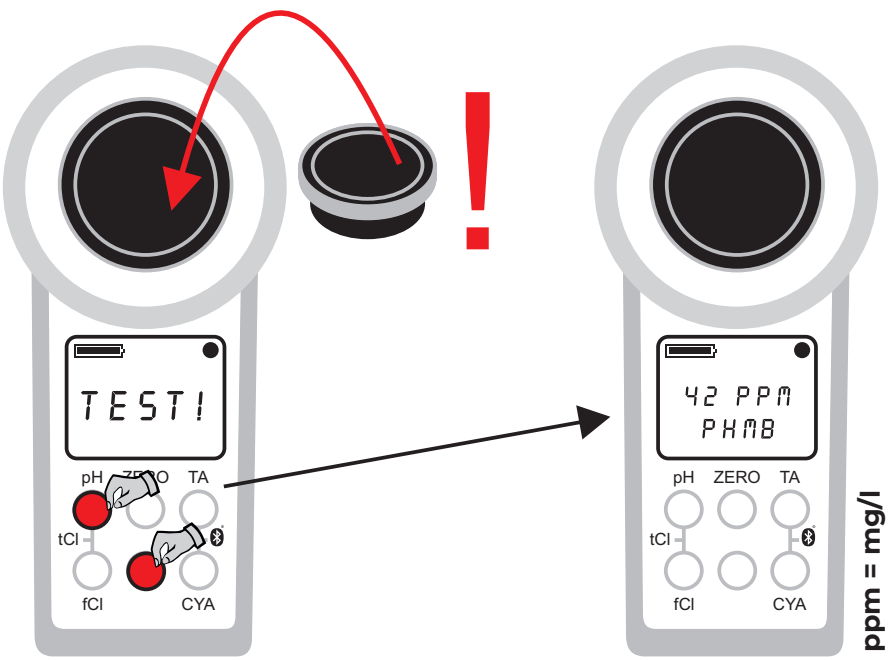
1 x PHMB
Photometer



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) <> 120 mg/l and calcium hardness values <> 200 mg/l can lead to measured value deviations.

De voorwerpen die voor de meting worden gebruikt en in contact komen met het monsterwater dat het reagens bevat (cuvet, deksel, roerstaaf), moeten absoluut grondig worden gereinigd met een borstel, water en vervolgens met gedestilleerd water, anders kan de meetapparatuur na verloop van tijd blauw worden. Alkaliteitswaarden (M) <> 120 mg/l en calciumhardheidswaarden <> 200 mg/l kunnen leiden tot meetwaardeafwijkingen.

Det er absolut nødvendigt at rengøre de genstande, der anvendes til måling, og som kommer i kontakt med prøvevandet med reagenset (kuvette, låg, omrøringsstang) grundigt med en børste, vand og derefter med destilleret vand, da måleudstyret ellers kan blive blåt med tiden. Alkalinitetsværdier (M) <> 120 mg/l og calciumhårdhedsværdier <> 200 mg/l kan føre til afvigelser i måleværdierne.

Ölçüm için kullanılan nesneleri temizlemeniz ve reaktif içeren numune suyuna (küvet, kapak, karıştırma çubuğu) bir fırça, su ve ardından damıtılmış su ile iyice temas ettirmeniz zorunludur, aksi takdirde ölçüm ekipmanı zamanla maviye döner. Alkalinite değerleri (M) <> 120 mg/l ve kalsiyum sertlik değerleri <> 200 mg/l ölçülen değer sapmalarına yol açabilir.

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

Total Hardness
Totale Hardheid
Samlet hårdhed
Toplam Zorluk
Общая жесткость

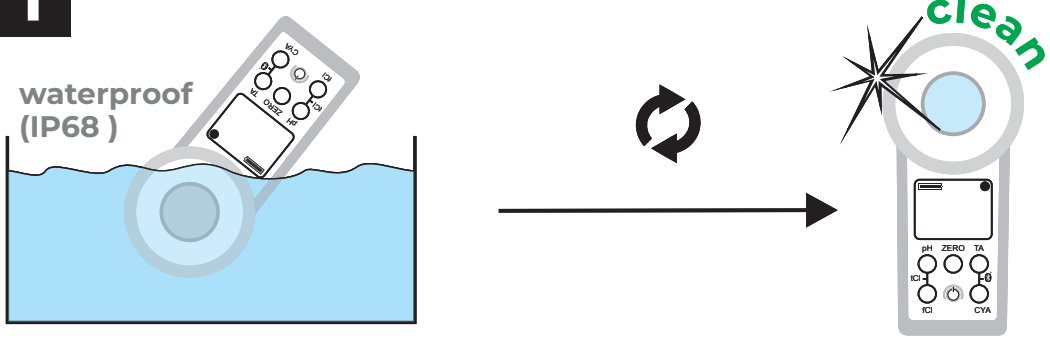
0 – 500 ppm (mg/l) $CaCO_3$

POL20TH1* | POL10TH2*

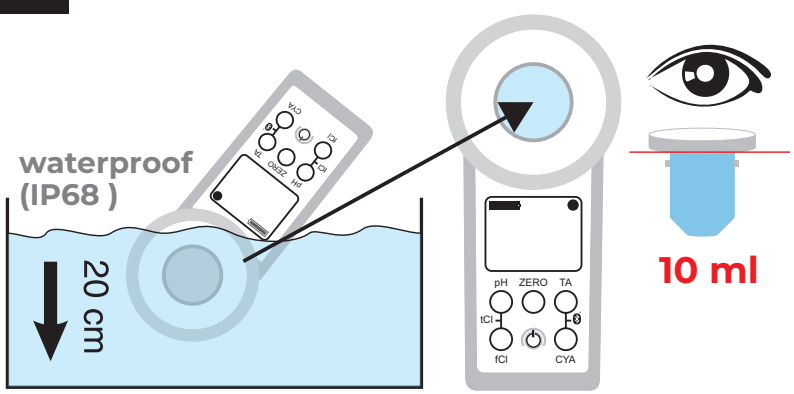
0 200 500 ➡ OR

*not part of standard equipment

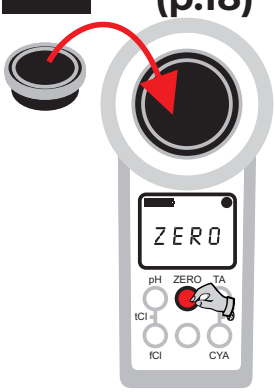
1



2 **Take 10 ml Water Sample**



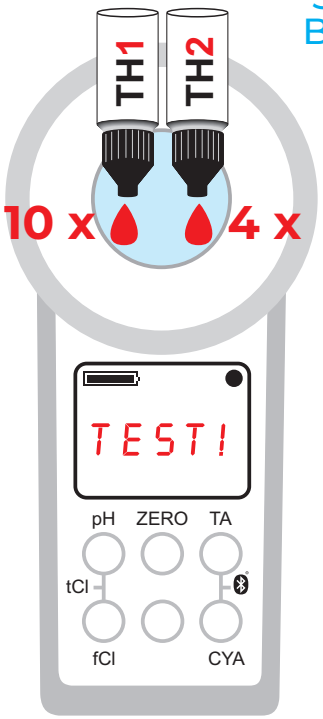
3 **ZERO! (p.18)**



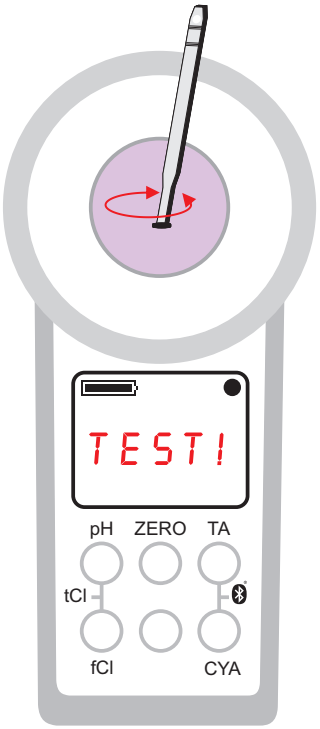
4

POL20TH1*
POL10TH2*

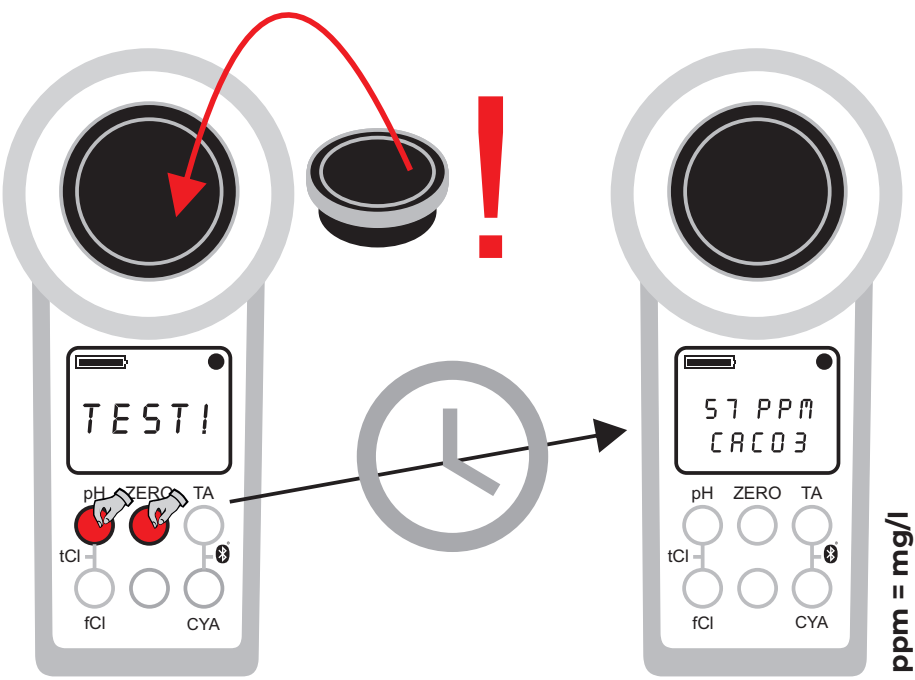
*Shake Before Use!



5



6



ppm = mg/l

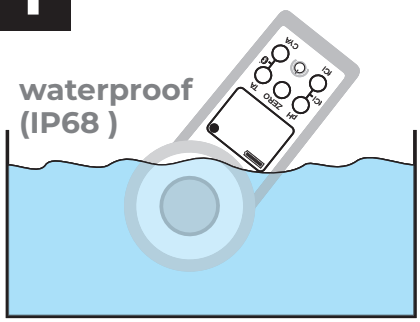
Urea
Ureum
Üre
Мочевина

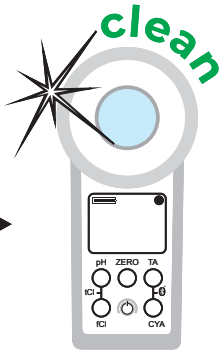
0.1 – 2.5 ppm (mg/l)

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

*not part of standard equipment

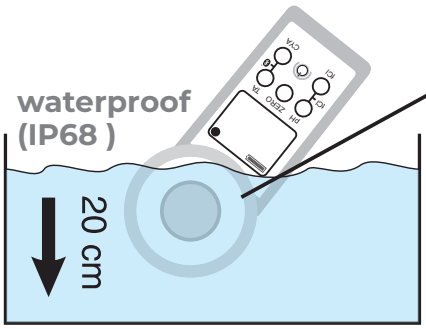
1

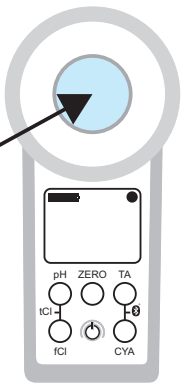


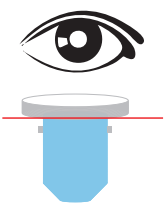


2

Take 10 ml Water Sample



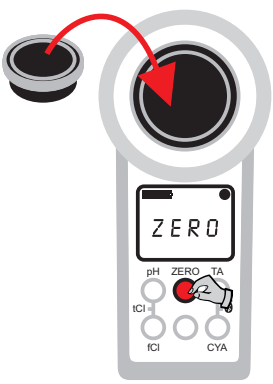




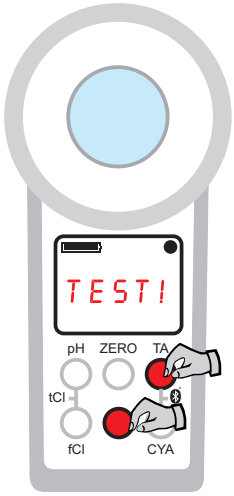
10 ml

3

ZERO!
(p.18)

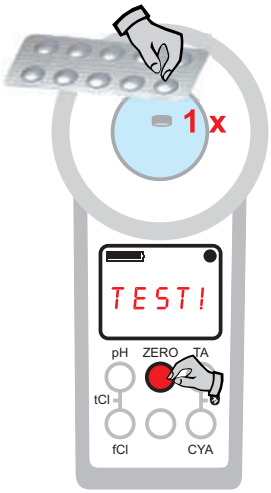


4

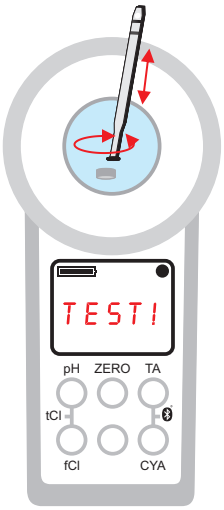


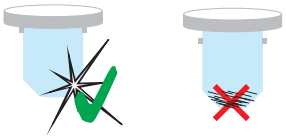
5

1 x Dechlor



6

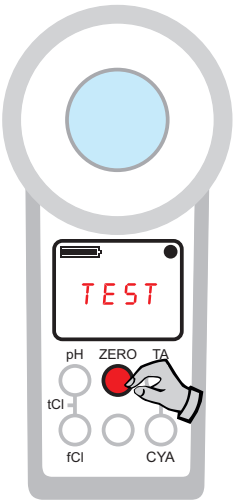




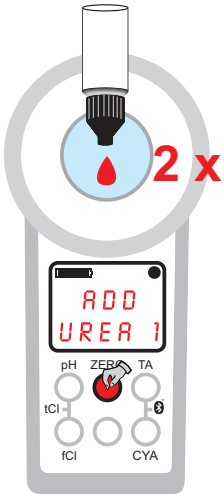
Completely Dissolved

NO Residue

7



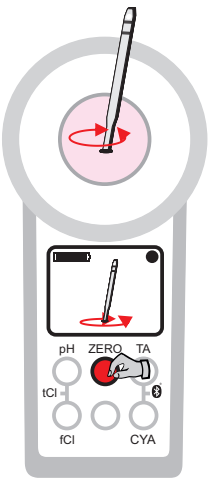
8



PL Urea 1*

*Shake Before Use!

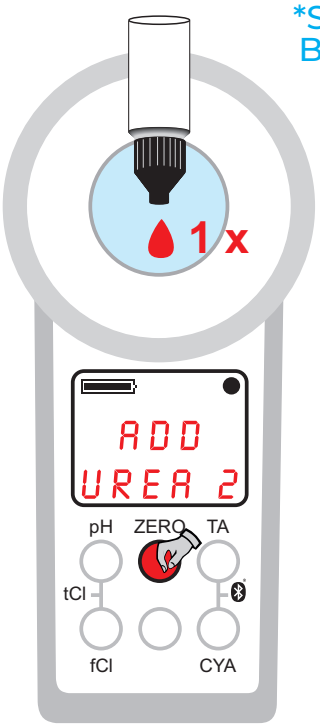
9



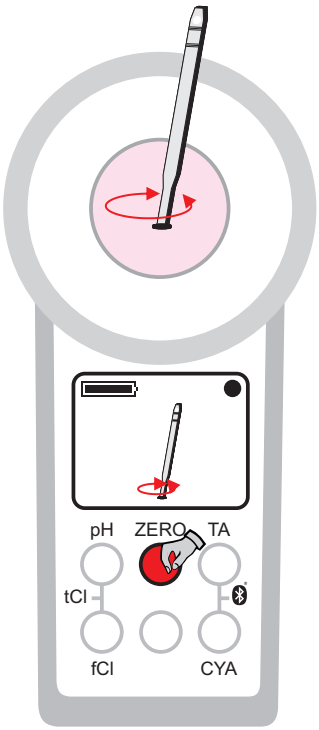
10

PL Urea 2*

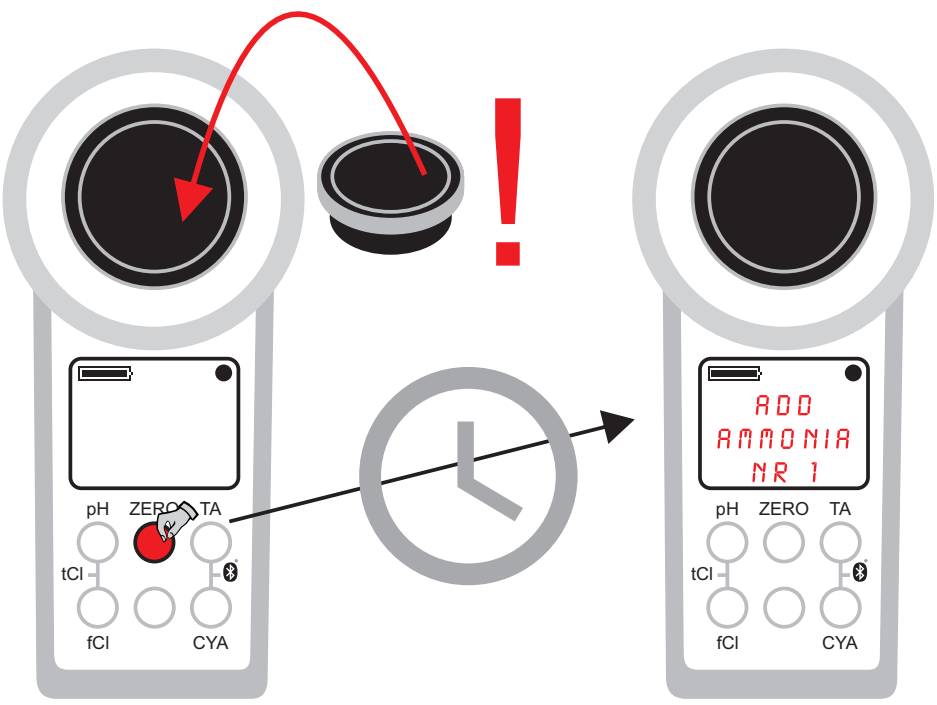
*Shake Before Use!



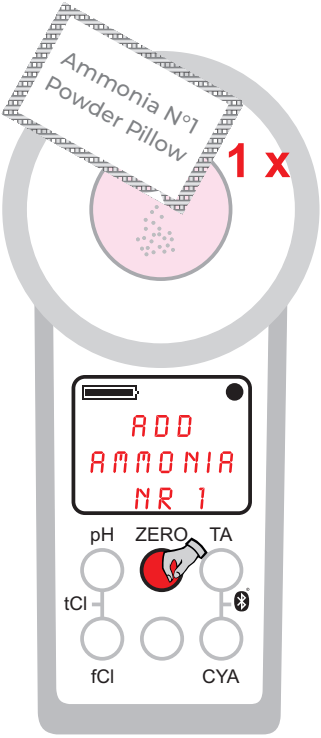
11



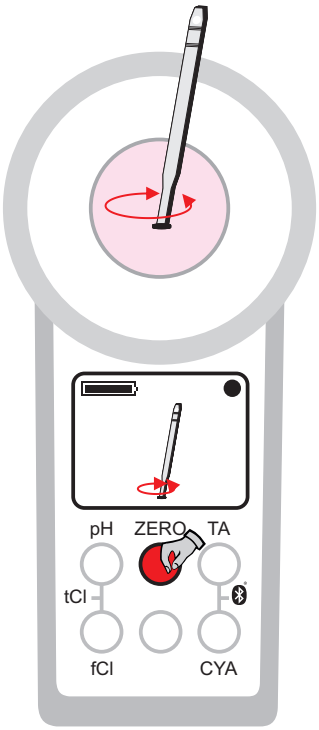
12



13 Ammonia N°1

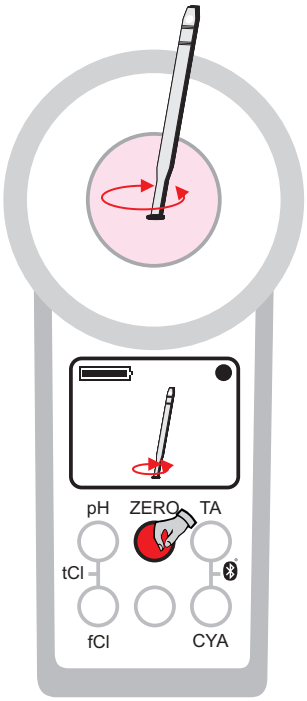


14

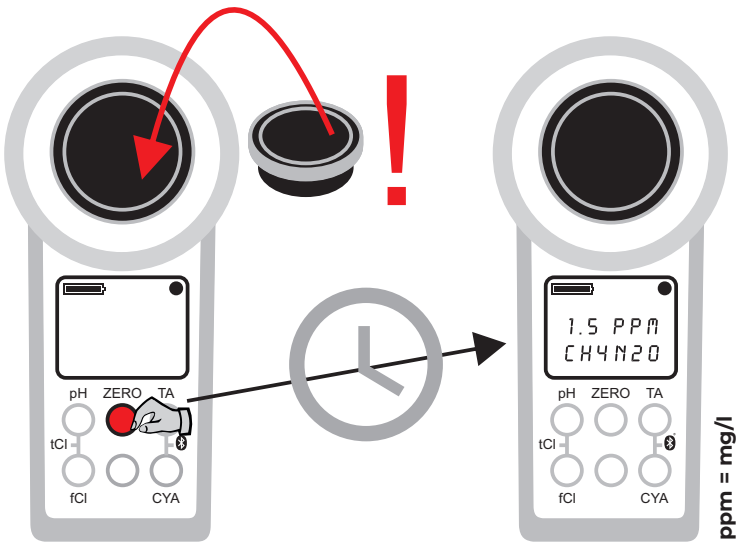


15 Ammonia N°2

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.

Indien het monster vrij chloor bevat, moet een "Dechlor"-tablet aan het flesje worden toegevoegd, voordat PL Ureum 1 en PL Ureum 2 worden toegevoegd. Ammoniak Nr. 1 lost pas volledig op nadat Ammoniak Nr. 2 is toegevoegd. Ammoniak en chlooramines zullen samen worden gedetecteerd. Het weergegeven resultaat is de som van beide. De temperatuur van het monster moet tussen 20°C en 30°C liggen. De test mag niet later dan 1 uur na de monsterneming worden uitgevoerd. Als zeewater wordt getest, moet het monster met een speciaal conditioneringspoeder worden voorbehandeld voordat ammoniak nr. 1 wordt toegevoegd. Bewaar PL Ureum 1 niet beneden 10°C omdat het dan kan korrelen. PL Ureum 2 moet tussen 4°C en 8°C worden bewaard.

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 påvises sammen. Det viste resultat viser summen af begge dele. Prøvens temperatur skal ligge mellem 20 °C og 30 °C. Testen skal udføres senest 1 time efter udtagning af prøven. Hvis der testes havvand, skal prøven forbehandles med et særligt konditioneringspulver, inden Ammonia N° 1 tilsættes. PL Urea 1 må ikke opbevares 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 "Deklor" tableti eklenmelidir. Amonyak N° 1 ancak Amonyak N° 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, numuneyi aldıktan sonra en geç 1 saat içinde yapılmalıdır. Deniz suyu test edilirse, Amonyak N° 1 eklenmeden önce numunenin özel şartlandırma tozu ile ön işleme tabi tutulması gerekir. PL Urea 1'i granüle olabileceğinden 10°C'nin altında saklamayın. PL Urea 2, 4°C ile 8°C arasında saklanmalıdır.

Если проба содержит свободный хлор, то перед добавлением мочевины PL 1 и мочевины PL 2 во флакон необходимо добавить таблетку "Dechlor". Аммиак N° 1 полностью растворяется только после добавления аммиака N° 2. Аммиак и хлорамины будут определяться вместе. Отображаемый результат показывает сумму обоих. Температура образца должна быть между 20°C и 30°C. Тест должен быть проведен не позднее чем через 1 час после взятия пробы. Если тестируется морская вода, перед добавлением Аммиака N° 1 пробу необходимо предварительно обработать специальным кондиционирующим порошком. Не храните PL Urea 1 при температуре ниже 10°C, так как он может гранулироваться. PL Urea 2 необходимо хранить при температуре от 4°C до 8°C.

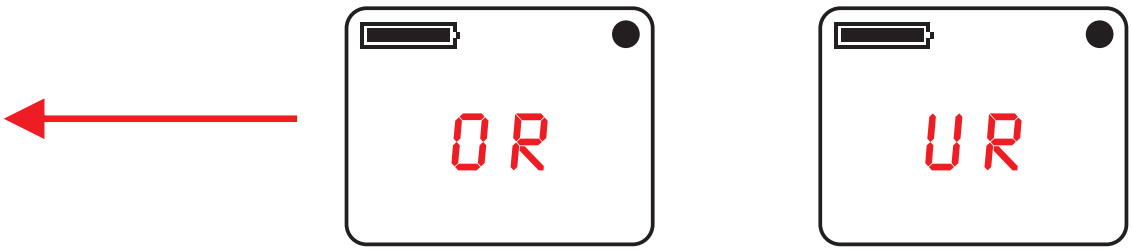
OR = Overrange / UR = underrange.
Test result is outside the range of the method. OR results can be brought into measurement range by dilution. Use syringe to take only 5ml (or 1ml) sample water plus 5ml (9ml) distilled water. Test again and multiply results times 2 (times 10). Dilution does not work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

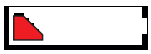
OR = Overrange (boven het meetbereik) / UR = Underrange (onder het meetbereik)
Het testresultaat ligt buiten het meetbereik van deze methode. De resultaten van OK kunnen door verdunning binnen het meetbereik worden gebracht. Gebruik de injectiespuit en neem 5 ml (of 1 ml) testwater plus 5 ml (9 ml) gedestilleerd water. Voer de test uit en vermenigvuldig het resultaat met 2 (maal 10). Verdunning is niet van toepassing op de parameter "pH".

OR = Overrange (over måleområdet) / UR = Underrange (under måleområdet)
Testresultatet ligger uden for denne metodes måleområde. OR-resultater kan bringes inden for måleområdet ved fortynding. Brug sprøjten og tag 5 ml (eller 1 ml) testvand plus 5 ml (9 ml) destilleret vand. Udfør testen, og gang resultatet med 2 (gange 10). Fortynding gælder ikke for parameteren "pH".

OR = Overrange (ölçüm aralığının üzerinde) / UR = Underrange (ölçüm aralığının altında)
Test sonucu bu yöntemin ölçüm aralığının dışındadır. VEYA sonuçları seyreltme ile ölçüm aralığına getirilebilir. Şırıngayı kullanın ve 5 ml (veya 1 ml) test suyu artı 5 ml (9 ml) damıtılmış su alın. Testi yapın ve sonucu 2 ile çarpın (10 kez). Seyreltme pH parametresine uygulanamaz.

OR = Overrange (выше диапазона измерения) / UR = Underrange (ниже диапазона измерения)
Результат испытания находится за пределами диапазона измерений данного метода. Результаты ИЛИ могут быть приведены в пределы диапазона измерения путем разбавления. Используйте шприц и наберите 5 мл (или 1 мл) воды для анализа плюс 5 мл (9 мл) дистиллированной воды. Выполните тест и умножьте результат на 2 (умножьте на 10). Разбавление не применимо к параметру "pH".



BAT!: 

Change batteries | Batterijen Vervangen | Skift batterierne | Pilleri değiştir | Замена батареек

Err02: (Too dark) Clean measurement chamber or dilute sample | (Te donker) Clean meetkamer of verdunde monster | (For mørkt) Rengør målekammeret eller fortynd prøven | (Çok karanlık) Ölçüm odasını temizleyin veya numuneyi seyreltin | (Слишком темный) Почистить измерительную камеру или разбавить образец

Err03: 

(Too bright) Don‘t forget light shield during measurement | (Te licht) Vergeet niet lichtscherm tijdens de meting | (For lyst) Glem ikke lysskjold under målingen | (Çok parlak) Ölçüm sırasında ışık kalkanı unutmayın | (Слишком яркий) Используйте светозащитный колпачок во время измерения

Err04: Repeat ZERO and TEST | Herhaal ZERO en TEST | Gentag ZERO og TEST | SIFIR ve TEST'i tekrarlayın | Повторите ZERO и TEST

Err05: Ambient temperature below -5°C or above 60°C | Omgevingstemperatuur onder -5°C of boven 60°C | Omgivende temperatur under -5°C eller over 60°C | -Ortam sıcaklığı -5°C altında ve ya 60°C üzerinde | Температура окружающей среды при -5°C или выше 60°C

1) 01.01.1970: The date on the PoolLab 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.

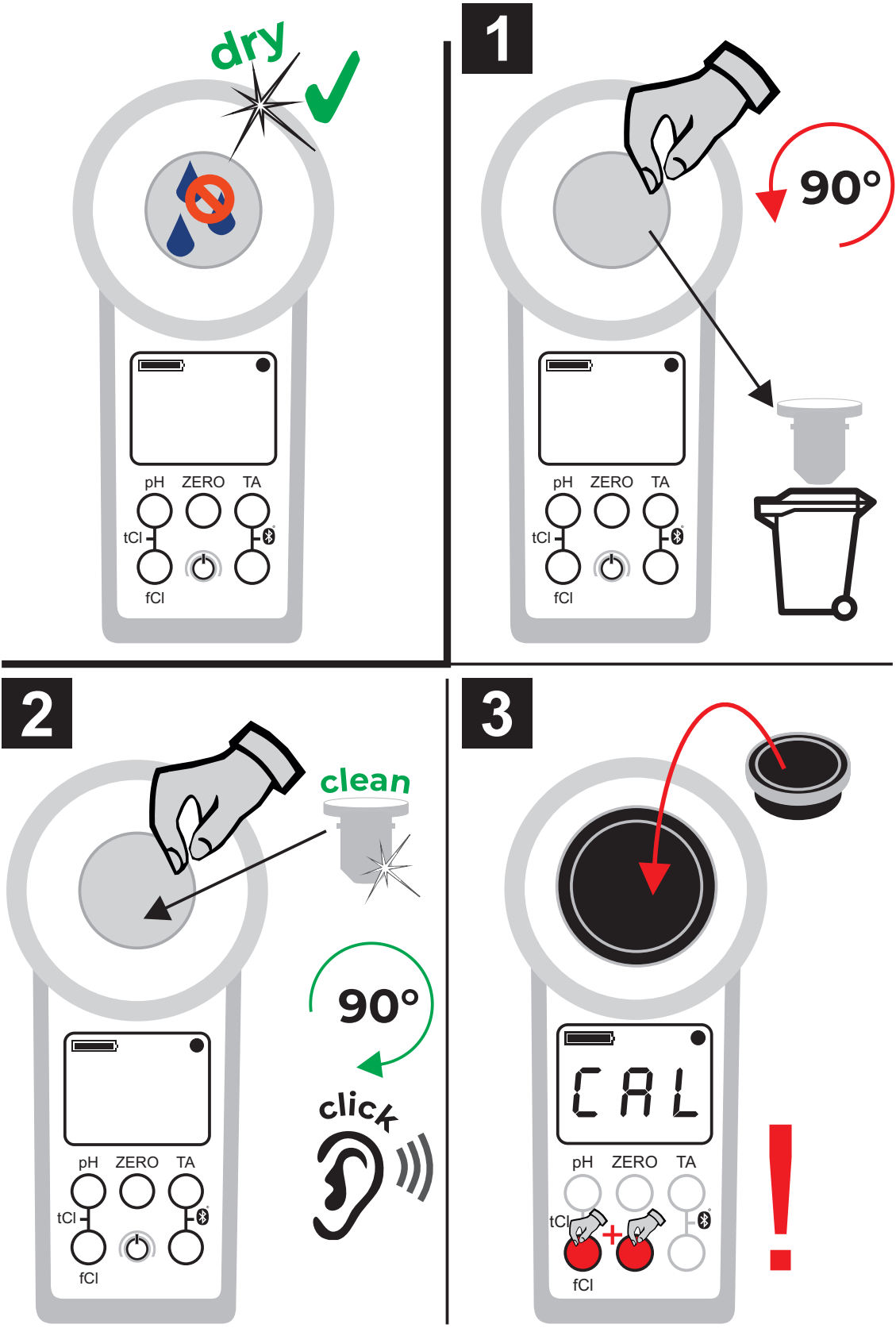
1) 01.01.1970: De datum op de PoolLab is ingesteld op 01.01.1970 bij levering, na elke batterijwissel en na elke update. Gelieve opnieuw verbinding te maken met de LabCOM app zodat de datum van de smartphone opnieuw wordt overgenomen. 2) Ideale waarden: Neem contact op met de leverancier van uw zwembadchemie om de ideale waarden voor uw zwembad op te vragen. 3) Bekraste cuvette: Zolang de cuvette niet in het bovenste derde deel is bekrast maar alleen in het onderste deel, hoeft deze niet te worden vervangen. 4) Tabletten krachtig pletten met de roerstaaf. De cuvette zal niet breken 5) Het is goed mogelijk dat het totale chloorgehalte lager wordt weergegeven dan het vrije chloorgehalte binnen de in deze gebruiksaanwijzing aangegeven toleranties. 6) Vochtigheid in de weergave: Kan optreden als de restvochtigheid in de behuizing condenseert als gevolg van het koude water tijdens het onderdompelen.

1) 01.01.1970: Datoen på PoolLab er indstillet til 01.01.1970 ved levering, efter hvert batteriskift og efter hver opdatering. Genoptag venligst forbindelsen til LabCOM-appen, så smartphonedatoen igen bliver vedtaget. 2) Ideelle værdier: Kontakt venligst 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 skiftet. 4) Knus tabletterne kraftigt med omrøringsstangen. Kuvetten går ikke i stykker. 5) Totalklor kan godt vises lavere end frit klor inden for de tolerancer, der er angivet i denne vejledning. 6) Fugtighed i displayet: Kan forekomme, hvis den resterende fugtighed i huset kondenserer på grund af det kolde vand under nedsænkning.

1) 01.01.1970: Her pil değişiminden ve her güncellemeden sonra teslim edildiğinde PoolLab üzerindeki tarih 01.01.1970 olarak ayarlanır. Akıllı telefon tarihinin yeniden benimsenmesi için lütfen LabCOM uygulamasına yeniden bağlanın. 2) İdeal değerler: Havuzunuz için ideal değerler için lütfen havuz kimyanızın tedarikçisi ile iletişime geçin. 3) Çizik küvet: Küvetin üst üçte birlik kısmında değil, sadece alt kısmında çizik olduğu sürece, değiştirilmesi gerekmez. 4) Lütfen tabletleri karıştırma çubuğu ile kuvvetlice ezin. Küvet kırılmaz 5) Toplam klor, bu talimatlarda gösterilen toleranslar dahilinde serbest klordan daha düşük görüntülenebilir. 6) Ekranda nem: Daldırma sırasında soğuk su nedeniyle gövdede kalan nem yoğunlaşırsa oluşabilir.

1) 01.01.1970: Дата на PoolLab установлена на 01.01.1970 при поставке, после каждой замены батареи и после каждого обновления. Пожалуйста, переподключитесь к приложению LabCOM, чтобы дата на смартфоне была снова принята. 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 во время погружения.

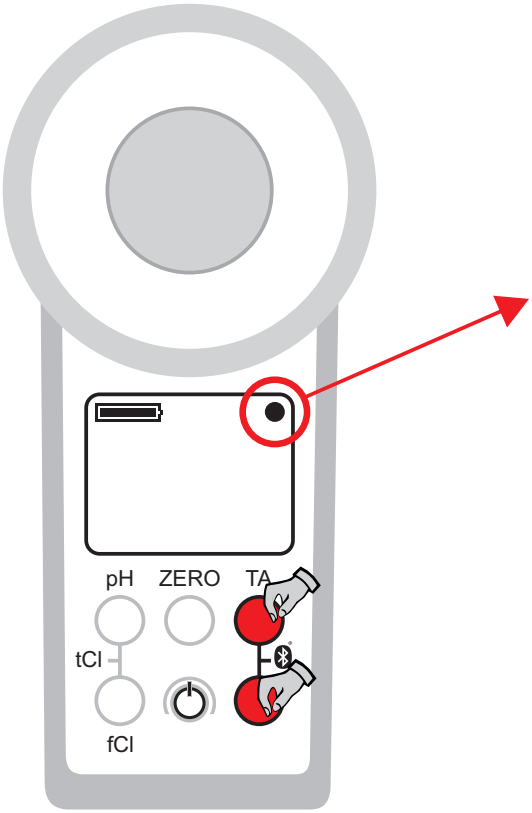
Changing the cuvette | Het veranderen vande cuvette | Skift af kuvetten | Küveti değiştirme | Замена кюветы



Reagents | Reagentia | Reagenser | Reaktifler | Реагенты	
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 | Reserveonderdelen | 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

Software & App | Yazılım & Uygulama | Программное обеспечение & Приложение



● Bluetooth ON

○ Bluetooth OFF

Windows/MacOS:

GET IT ON Google Play

www.poollab.org

Download on the App Store

FAQ www.poollab.org

MSDS msds.water-id.com

Cloud labcom.cloud

LED:	530 nm / 570 nm / 620 nm
	3 x AAA (1.5 V, LR03)
	300 sec.
	5 - 45°C
	IP 68 (1 h / 1.2 m)

Developed in Germany
Produced in PRC

Active Oxygen | Actieve zuurstof
Aktiv ilt | Aktif Oksijen
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 | Alkaliniteit | Alkalitet
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 | 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 Kalkhårdhed | Kalsiyum Sertliği Твердость кальция	
Range	**±**
0 – 25	8 ppm (mg/l)
25 – 100	22 ppm (mg/l)
100 – 300	34 ppm (mg/l)
300 – 500	45 ppm (mg/l)

Chlorine | Chloor | 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 – 8.00	1.00 ppm (mg/l)

Cyanuric Acid | Cyanuurzuur Cyanursyre | Siyanürik 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 | Waterstof peroxide
Brintoverilte | Hidrojen peroksit
Пероксид 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 | Waterstof peroxide
Brintoverilte | Hidrojen peroksit
Пероксид 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 | 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 | ПГМБ	
Range	**±**
5 – 60	5 ppm (mg/l)

Total Hardness | Totale Hardheid | Total hårdhed | Toplam sertlik | Общая твердость	
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 | 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 2002/ 96/EC, electronic devices must not be disposed of in normal domestic waste. The manu-facturer of this device, Water-i.d.® GmbH, Daimlerstr. 20, D-76344 Eggenstein will dispose of your PoolLab Photometer free of charge (not including costs of sending the device to us). Send your PoolLab® 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.

CE compliance statement

The manufacturer

Water-i.d. GmbH, Daimlerstr. 20,

D-76344 Eggenstein-Leopoldshafen

Federal Republic of Germany

represented by the general manger **Dipl. Ec. Andreas Hock** here-with declares as follows: The product “PoolLab® 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

CE

UKCA Complaince Statement

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**
Regulations 2016 (S.I. 2016/1091); 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. 2016/1101) EN IEC 62368:1:2020+A11:2020 Regulations 2017 (S.I. 2017/1206) ETSI EN 300 328 V2.2.2: 2019;	

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

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

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:	POOL LAB 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