WATER-I.D.®

V31

WATER TESTING EQUIPMENT

PoolLAB® 1.0

PHOTOMETER

- User Manual
- Uživatelská Příručka
- Instrukcja Obsługi
- Felhasználói Kézikönyv
- Manual De Utilizare

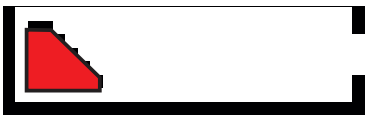
NEW: Quick Start Guide included!

NOVINKA: Včetně rychlého průvodce! (S. 14) | NOWOŚĆ: Dołączona instrukcja szybkiego startu! (S. 14) | ÚJ: Gyorsindítási útmutató mellékelve! (O. 14) | NOU: Ghid de pornire rapidă inclus! (P. 14)

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)

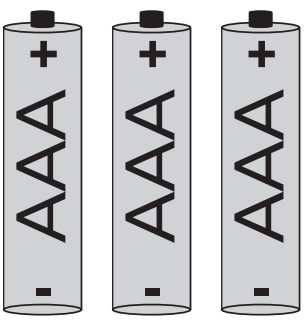
GB	Reagents for water-analysis only! Do not eat! Keep out of reach of children! Store cool and dry!
CZ	Reagencie pouze pro analýzu vody! Nejezte! Uchovávejte mimo dosah dětí!Skladujte v chladu a suchu!
PL	Odczynniki tylko do analizy wody! Nie spożywać! Przechowywać w miejscu niedostępnym dla dzieci! Przechowywać w chłodnym i suchym miejscu!
HU	Reagensek csak vízelemzéshez! Nem szabad megenni! Gyermekek elől elzárva tartandó! Hűvösen és szárazon tárolandó!
RO	Reactivi numai pentru analiza apei! A nu se consuma! A nu se lăsa la îndemâna copiilor! A se păstra la rece și uscat!

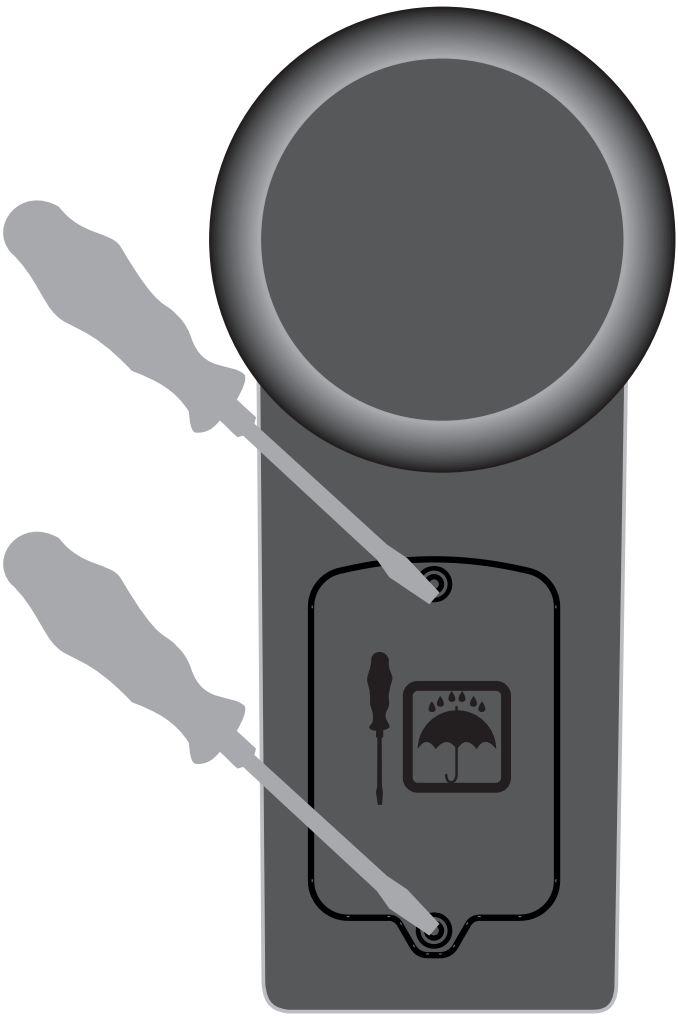


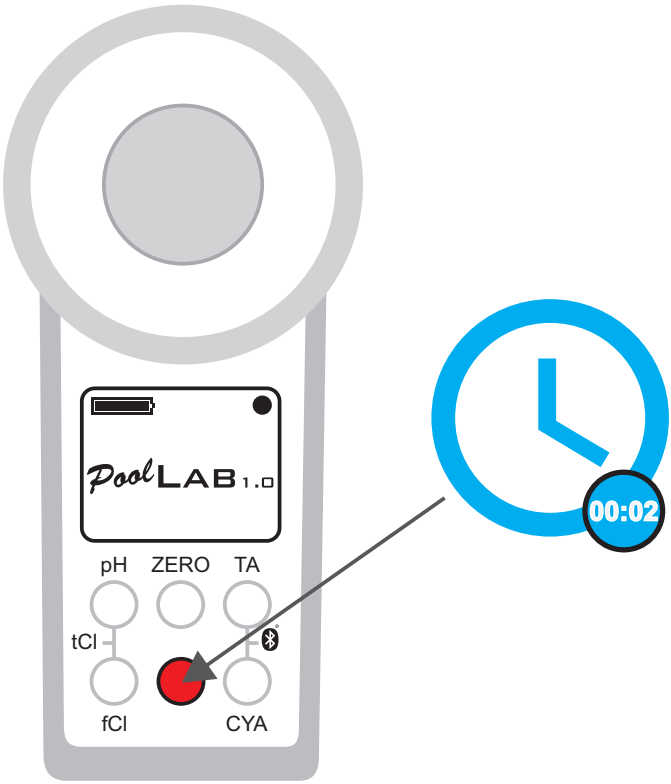
Change | Změna | Zmiana
Változás | Schimbare

No rechargeable batteries! | Žádné dobíjecí baterie! Brak baterii do ładowania! | Nincs újratölthető akkumulátor! Fără baterii reîncărcabile!

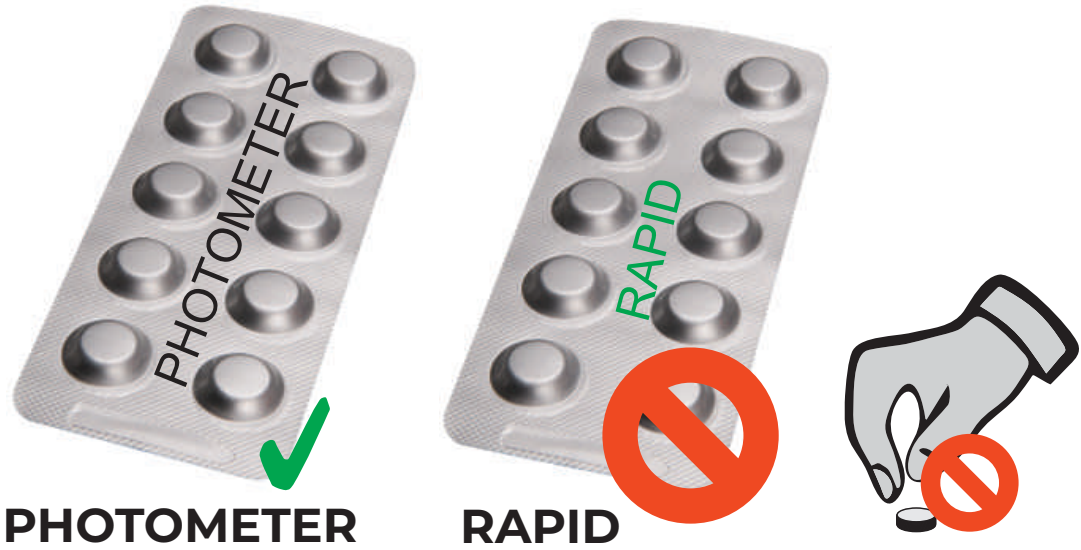
3 x AAA



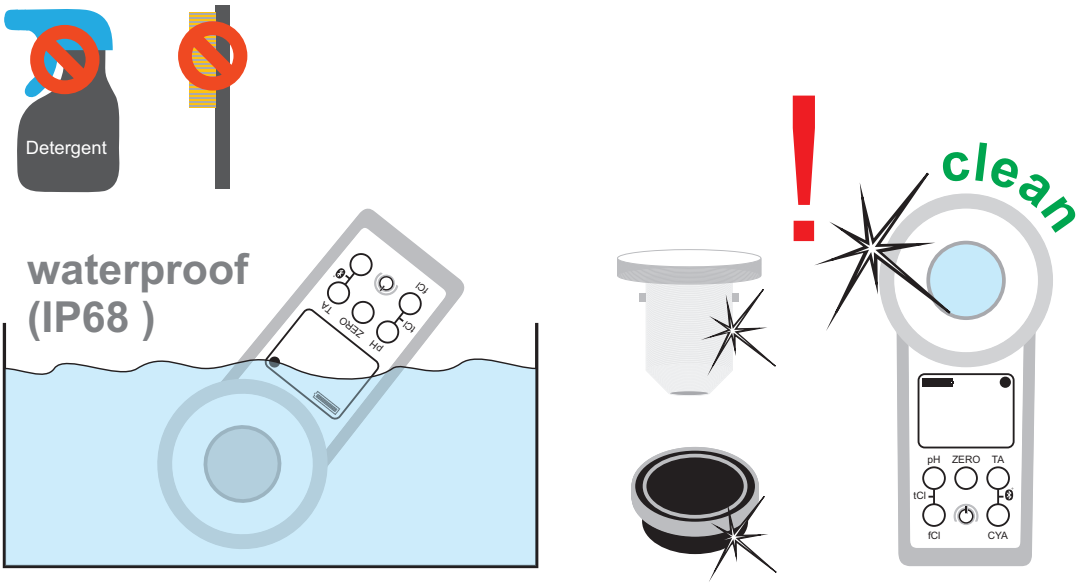




The On/Off button can also be used to skip countdown during measurement (not recommended).
Tlačítko zapnutí/vypnutí lze také použít k přeskočení odpočítávání během měření (nedoporučuje se).
Przycisk On/Off może być również użyty do pominięcia odliczania podczas pomiaru (nie zalecane).
Az On/Off gombbal a visszaszámlálás is kihagyható a mérés közben (nem ajánlott).
Butonul Pornit/Oprit poate fi, de asemenea, utilizat pentru a sări peste numărătoarea inversă în timpul măsurătorii (nu este recomandat).



Always use PHOTOMETER grade tablets! Never use RAPID grade tablets! Do not touch reagent tablets!
Vždy používejte tablety třídy PHOTOMETER! Nikdy nepoužívejte tablety třídy RAPID! Nedotýkejte se reagenčních tablet!
Zawsze używaj tabletek klasy PHOTOMETER! Nigdy nie używaj tabletek klasy RAPID! Nie dotykać tabletek z odczynnikiem!
Mindig FOTOMETER minőségű tablettákat használjon! Soha ne használjon RAPID minőségű tablettákat! Ne nyúljon a reagens tablettákhoz!
Utilizați întotdeauna tablete de calitate PHOTOMETER! Nu utilizați niciodată tablete de calitate RAPID! Nu atingeți tabletele de reactivi!



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).

Po každém měření je důležité přístroj vyčistit, abyste se zbavili případných zbytků činidla! Před každým měřením se ujistěte, že byla kyveta vyčištěna (např. pod čistou vodou nebo stačí opláchnout kyvetu v bazénu, pokud v ní nezůstanou zbytky činidla).

Ważne jest, aby po każdym pomiarze wyczyścić urządzenie, aby pozbyć się pozostałości odczynników! Proszę upewnić się, że kuweta została wyczyszczona przed każdym pomiarem (np. pod czystą wodą i/lub wystarczy przepłukanie kuwety w basenie, o ile nie pozostały żadne pozostałości).

Fontos, hogy minden mérés után tisztítsa meg a készüléket, hogy megszabaduljon a reagensmaradványoktól! Kérjük, győződjön meg arról, hogy a küvettát minden mérés előtt megtisztította (pl. tiszta víz alatt és/vagy elegendő a küvettát egyszerűen átöblíteni a medencében, amíg nem maradnak maradékok).

Este important să curățați dispozitivul după fiecare măsurare pentru a elimina orice reziduuri de reactiv! Vă rugăm să vă asigurați că cuva a fost curățată înainte de fiecare măsurătoare (de exemplu, sub apă limpede și/sau simpla clătire a cuvei în bazin este suficientă, atâta timp cât nu rămân reziduuri).

Do not leave the device in the sun!
Nenechávejte přístroj na slunci!
¡Nie należy pozostawiać urządzenia na słońcu!
Ne hagyja a készüléket a napon!
Nu lăsați aparatul la soare!

The PoolLab® is also suitable for saltwater pools/salt electrolysis pools!
PoolLab® je vhodný i pro bazény se slanou vodou/bazény se solnou elektrolýzou!
PoolLab® nadaje się również do basenów z wodą słoną/basenów z elektrolizą soli!
A PoolLab® alkalmas sósvizes medencékhez/sóelektrolízis medencékhez is!
PoolLab® este, de asemenea, potrivit pentru piscine cu apă sărată / piscine cu electroliză de sare!

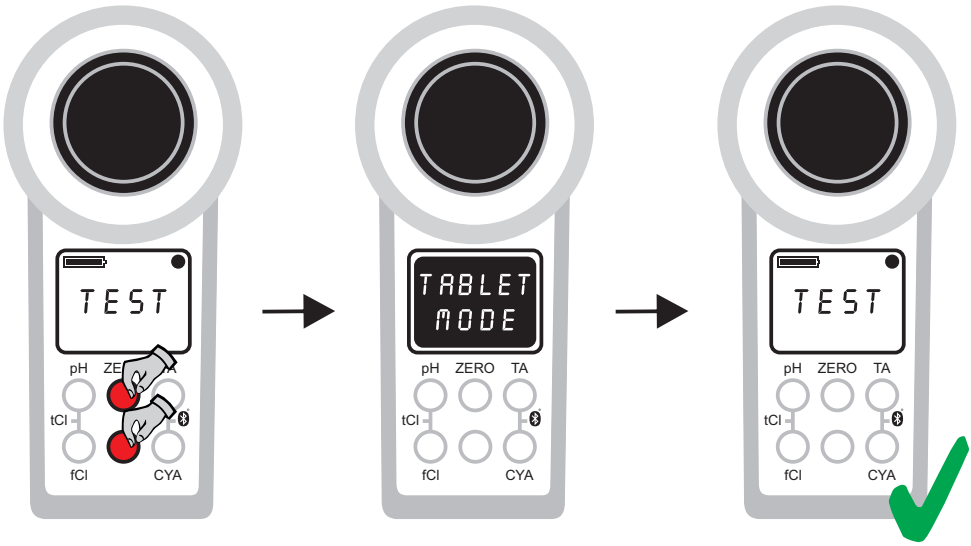
NEW!

Tablet Mode → Liquid Mode
Tablettenmodus → Flüssigreagenz Modus
Modo Tableta → Modo Reactivo Líquido
Mode Comprimés → Mode Réactif Liquide
Modalità Compressa → Modalità Reagente Liquido

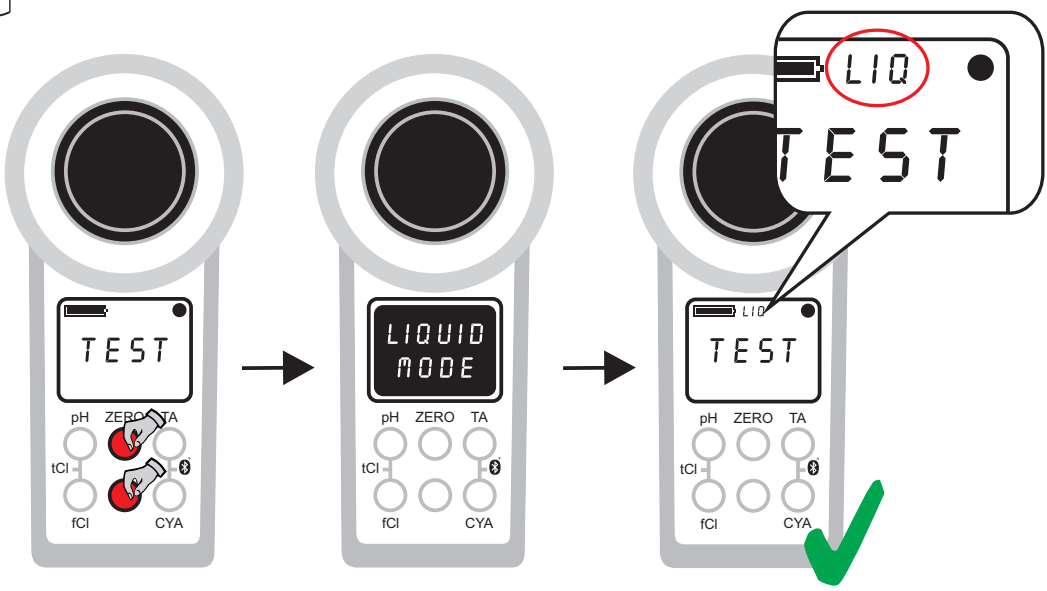
pH | fCl_2 | tCl_2 | cCl_2 | Br_2 | ClO_2 | O_3

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).

Od verze firmwaru 72 máte možnost měřit následující parametry pomocí tablet i kapalných činidel: **pH, chlor, oxid chloričitý, ozon a brom.** V přístroji si můžete vybrat ze dvou nastavení měření: Tablety a Tekutá činidla. Mezi režimy můžete přepínat současným stisknutím a uvolněním tlačítka ZERO & On/Off. Aktuální režim zůstává uložen i přes opětovné spuštění. Pokud se ve stavovém řádku zobrazí "LIQ", jste v režimu kapalných činidel.

Poznámka: Zvolený režim nemá žádný vliv na všechny ostatní parametry (aktivní kyslík, alkalita, tvrdost vápníku, kyselina kyanurová, peroxid vodíku, PHMB, celková tvrdost a močovina).

Począwszy od wersji oprogramowania sprzętowego 72, użytkownik ma możliwość pomiaru następujących parametrów za pomocą tabletek oraz odczynników płynnych: **pH, chlor, dwutlenek chloru, ozon i brom.** W urządzeniu można wybrać jedno z dwóch ustawień pomiaru: Tabletki i Płynne odczynniki. Przełączanie pomiędzy trybami odbywa się poprzez jednoczesne naciśnięcie i zwolnienie przycisku ZERO i On/Off. Bieżący tryb pozostaje zapamiętany po ponownym uruchomieniu. Jeśli na pasku stanu wyświetlany jest napis "LIQ", oznacza to, że użytkownik znajduje się w trybie odczynnika ciekłego.

Uwaga: Wybrany tryb nie ma wpływu na wszystkie inne parametry (tlen aktywny, zasadowość, twardość wapniowa, kwas cyjanurowy, nadtlenek wodoru, PHMB, twardość całkowita i mocznik).

A 72-es firmware-verziótól kezdve lehetőség van a következő paraméterek mérésére tablettákkal és folyékony reagensekkel is: **pH, klór, klór-dioxid, ózon és bróm.** A készülékben két mérési beállítás közül választhat: Tabletták és folyékony reagensek. Az üzemmódok között a ZERO & On/Off gomb egyidejű megnyomásával és elengedésével válthat. Az aktuális üzemmód az újraindításon keresztül tárolva marad. Ha az állapotsoron a "LIQ" felirat jelenik meg, akkor folyékony reagens üzemmódban van.

Megjegyzés: A kiválasztott üzemmód nincs hatással a többi paraméterre (aktív oxigén, lúgosság, kalciumkeménység, cianursav, hidrogén-peroxid, PHMB, teljes keménység és karbamid).

Începând cu versiunea de firmware 72, aveți posibilitatea de a măsura următorii parametri cu tablete, precum și cu reactivi lichizi: **pH, clor, dioxid de clor, ozon și brom.** Puteți alege între două setări de măsurare în unitate: Tablete și Reactivi lichizi. Puteți trece de la un mod la altul apăsând și eliberând în același timp butonul ZERO & On/Off. Modul curent rămâne memorat peste o repornire. Dacă "LIQ" este afișat în bara de stare, vă aflați în modul reactivi lichizi.

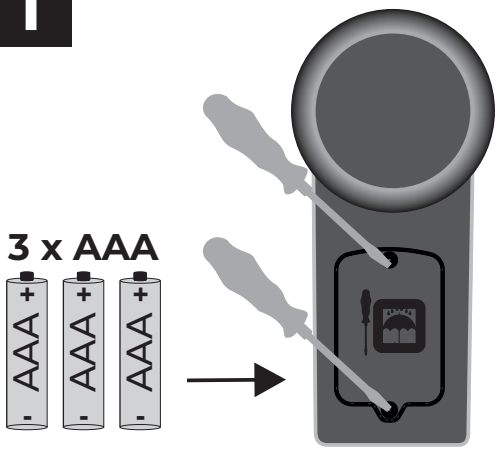
Notă: Modul selectat nu are nicio influență asupra tuturor celorlalți para-metre (oxigen activ, alcalinitate, duritate calciară, acid cianuric, peroxid de hidrogen, PHMB, duritate totală și uree).

QUICK START GUIDE

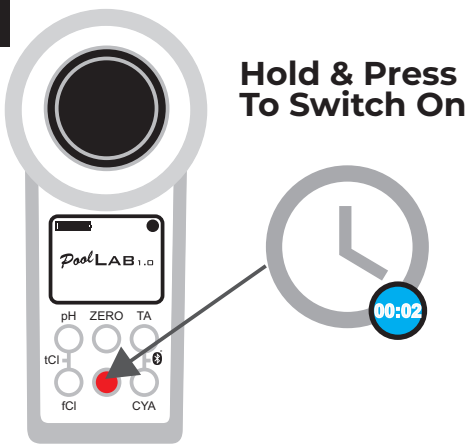
Stručný Průvodce
Skrócony Przewodnik
Gyors Útmutató
Ghid Rapid

Scan the QR-code to watch our intstruction video

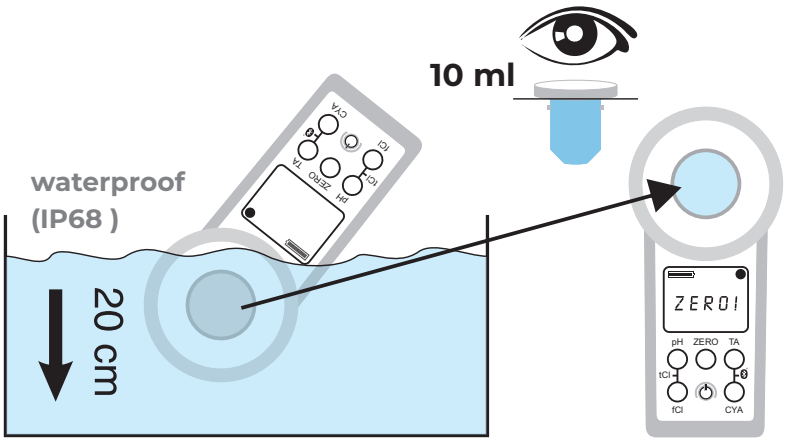
1



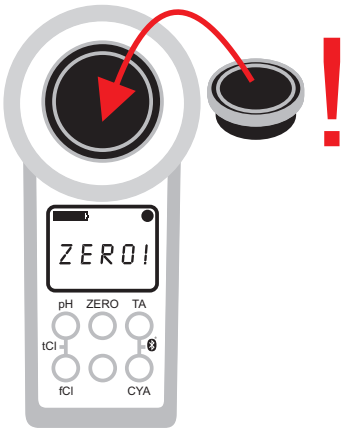
2



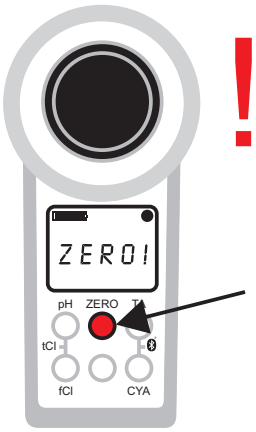
3 START: Take 10 ml Water Sample



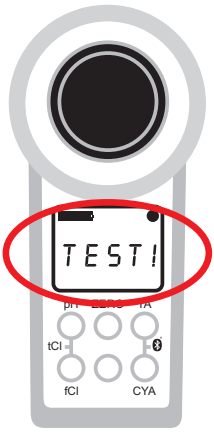
4 Put On Lightshield



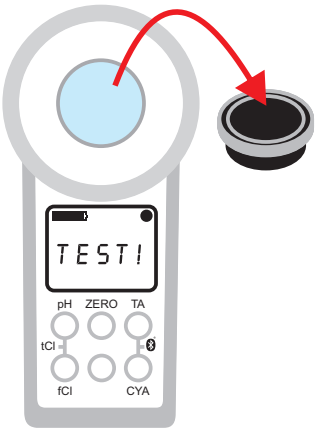
5 ZERO



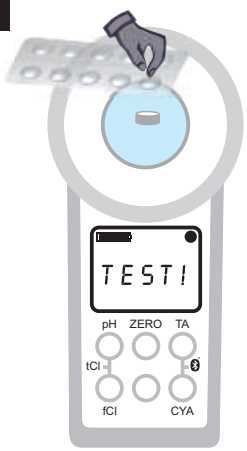
6



7 Remove Lightshield

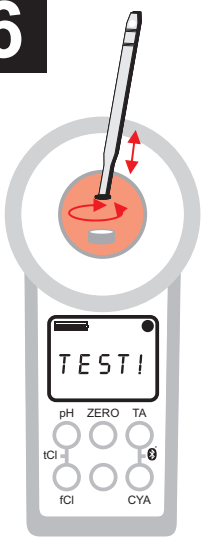


8



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

6



Use Force!

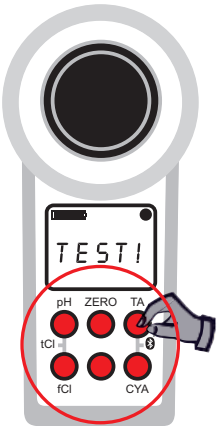
Completely Dissolved

NO Residue

7 Put On Lightshield

8

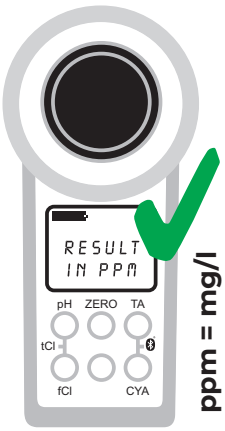
Shortcut For Your Test (Refer To Chapter In Manual)



9

Await Countdown

10



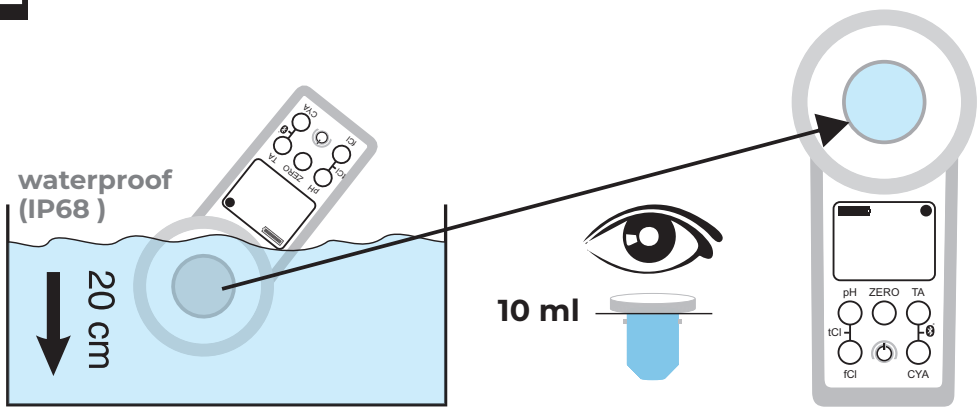
ppm = mg/l

11

Empty & Clean

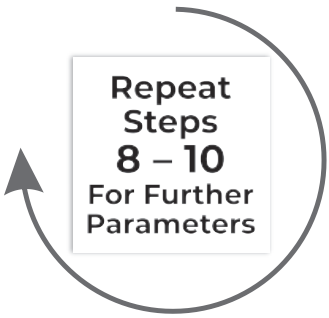
12

For Next Test: Take 10ml*

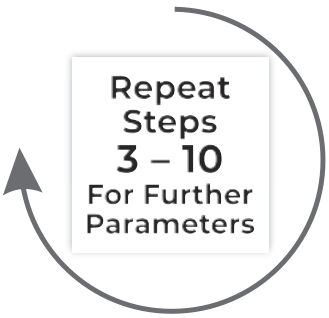


13

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



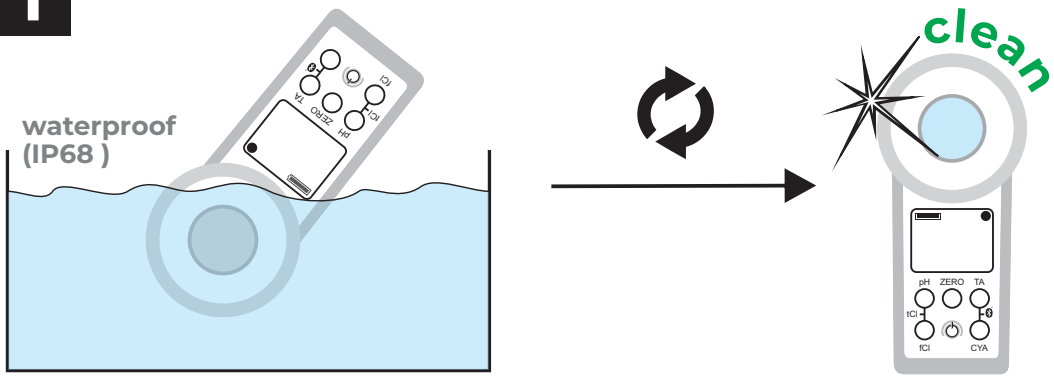
***If Device Was Switched Off, Start From Step 3**



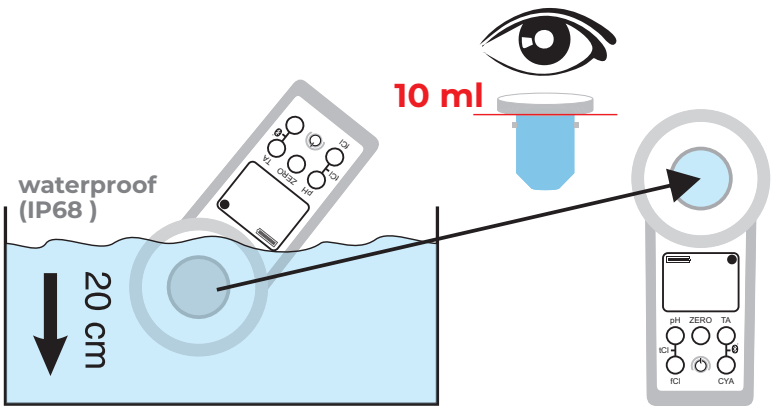
End Of Quick Start Guide | Konec Stručné Úvodní Příručky | Koniec Podręcznika Szybkiego Startu | A Gyorsindítási Útmutató Vége | Sfârșitul Ghidului De Pornire Rapidă

ZERO

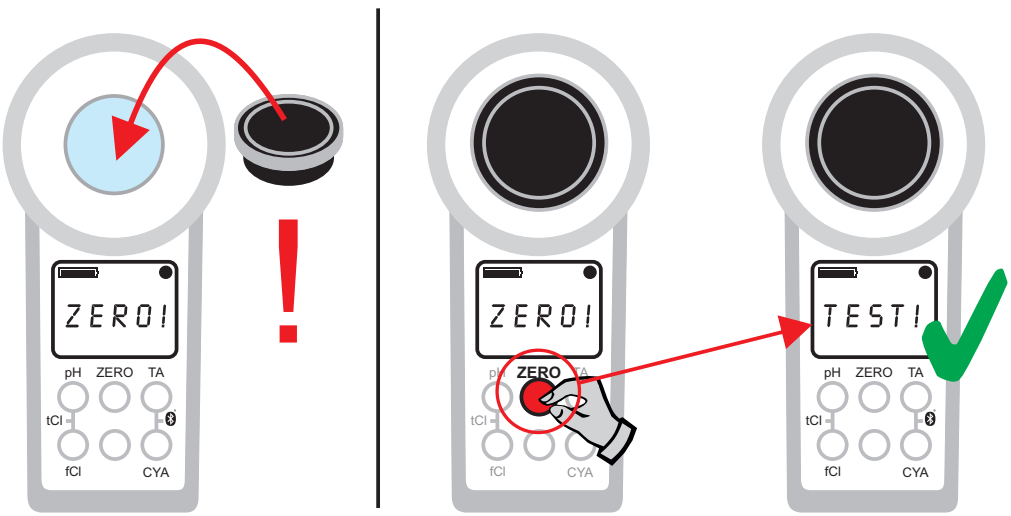
1



2 **Take 10 ml Water Sample**



3



! Only 1 Time Per Test Batch | Pouze 1krát Na -zkušební Dávku | Tylko 1 Raz Na Partię Testową | Csak 1 Alkalom Teszt Tételenként | Doar O Singură Dată Pentru Fiecare Lot De Testare !

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.

Krok "ZERO" (strana 18) je nutné provést pouze jednou po zapnutí. Ujistěte se, že měřená voda neobsahuje (!) v kyvetě žádnou tabletu/reagenci a že je nasazen ochranný kryt proti světlu. Pokud před každým dalším měřením neopakujete krok "ZERO", vyprázdněte kyvetu po posledním a před dalším měřením a naplňte ji nově vodou, která se má měřit.

Czynność "ZERO" (strona 18) jest konieczna tylko raz po włączeniu. Upewnić się, że mierzona woda nie zawiera (!) żadnych tabletek/odczynników w kuwecie oraz że osłona chroniąca przed światłem znajduje się na swoim miejscu. Jeśli nie powtarza się "ZERO" przed każdym kolejnym pomiarem, należy po ostatnim i przed kolejnym pomiarem opróżnić kuwetę i ponownie napełnić ją wodą przeznaczoną do pomiaru.

A "ZERO" lépés (18. oldal) a bekapcsolás után csak egyszer szükséges. Győződjön meg arról, hogy a mérendő víz nem tartalmaz (!) tablettát/reagenseket a küvettában, és hogy a fényvédő fedél a helyén van. Ha nem ismétli meg a "ZERO" műveletet minden következő mérés előtt, akkor az utolsó mérés után és a következő mérés előtt ürítse ki a küvettát, és töltse meg frissen a mérendő vízzel.

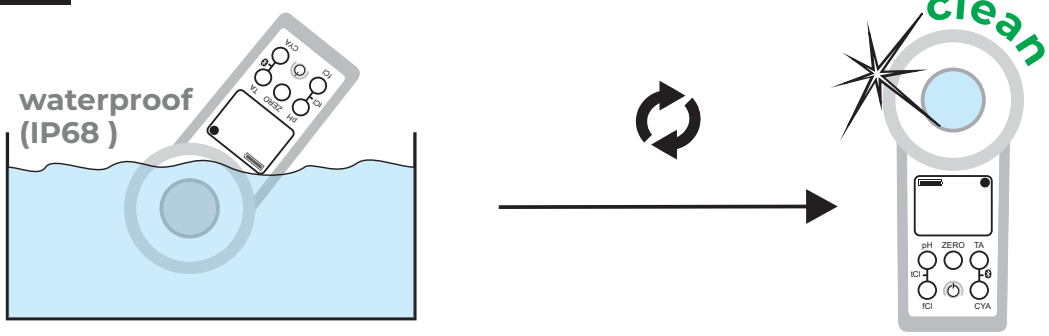
Pasul "ZERO" (pagina 18) este necesar doar o singură dată după pornire. Asigurați-vă că apa care urmează să fie măsurată nu conține (!) nicio pastilă/reactiv în cuvă și că capacul de protecție împotriva luminii este la locul său. Dacă nu repetați etapa "ZERO" înainte de fiecare măsurare ulterioară, goliți cuva după ultima și înainte de următoarea măsurare și umpleți-o din nou cu apa care urmează să fie măsurată.

Active Oxygen
Aktivní Kyslík
Aktywny Tlen
Aktív Oxigén
Oxigen Activ (MPS)

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

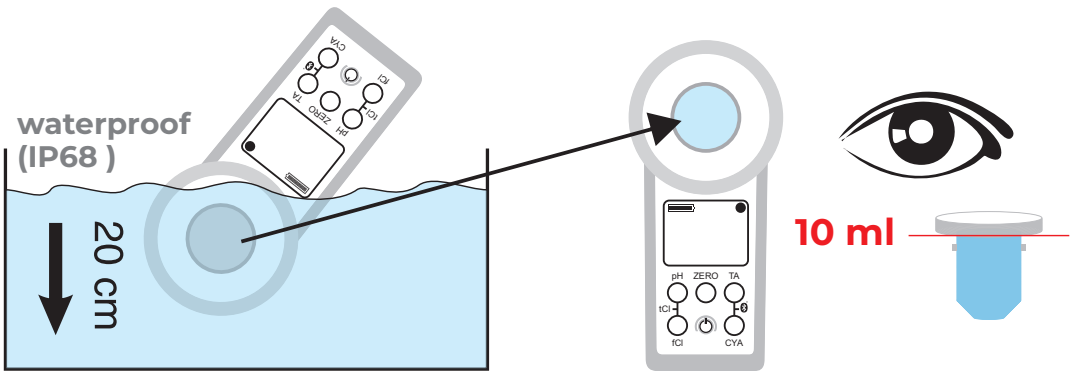
*not part of standard equipment

1



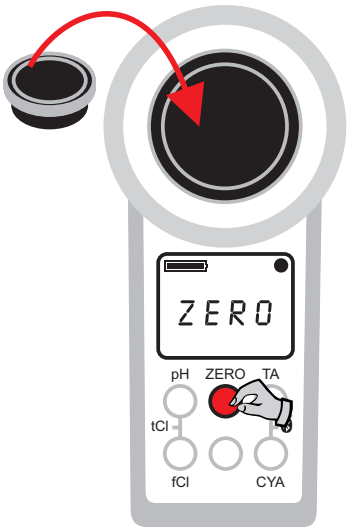
2

Take 10 ml Water Sample



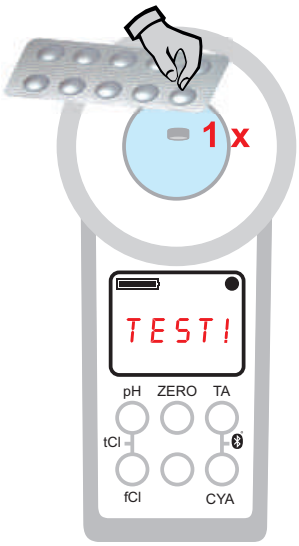
3

ZERO! (p.18)

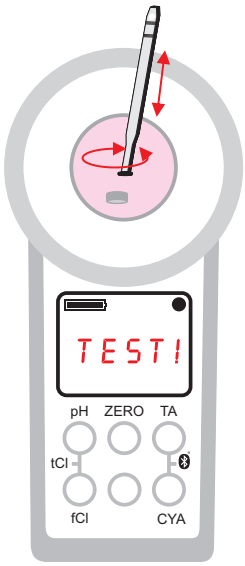


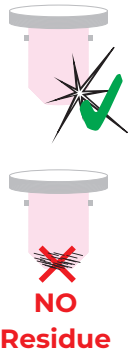
4

1 x DPD N°4
Photometer*

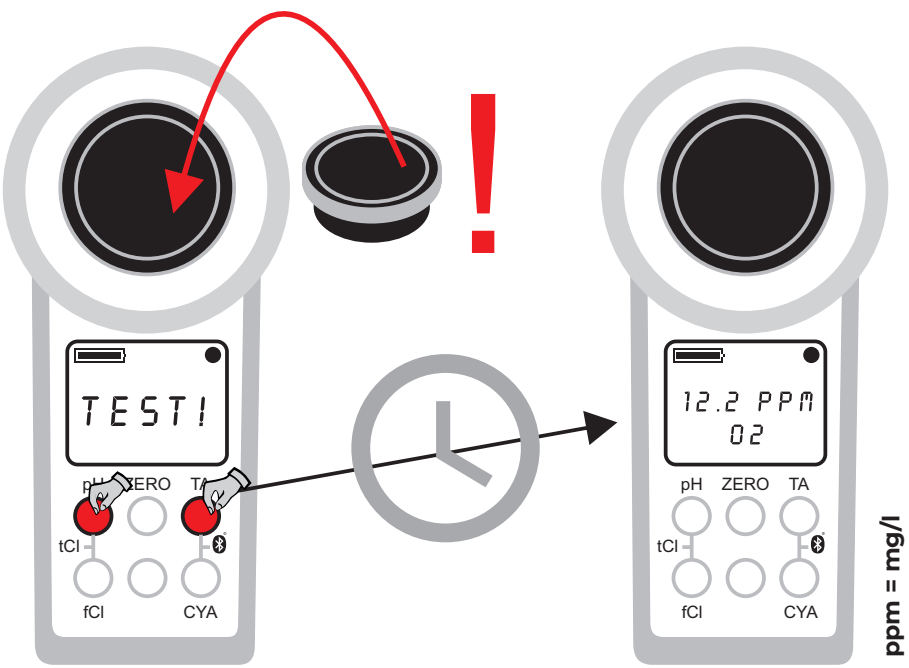


5





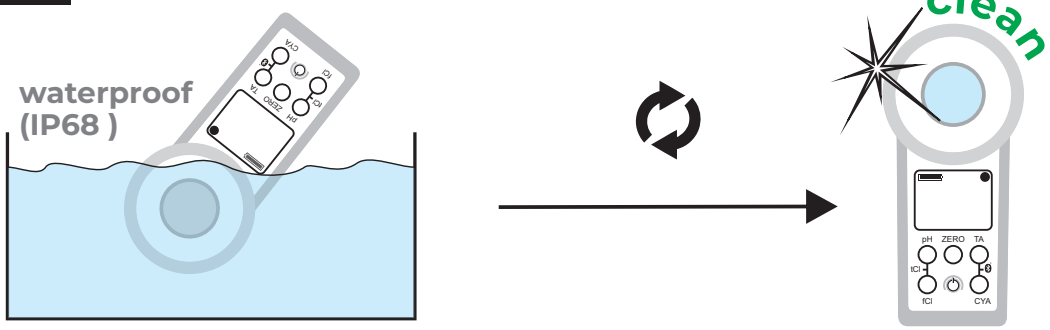
6



Alkalinity
Alkalita
Zasadowość
Lúgosság
Alcalinitate

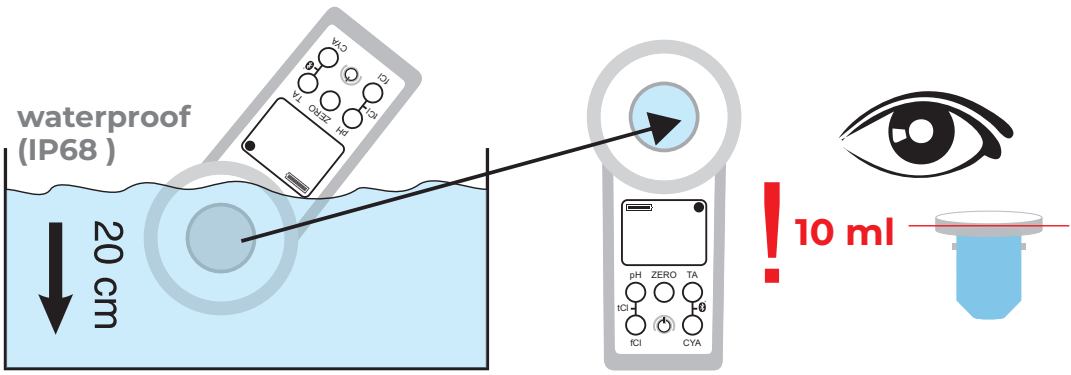
0 – 200 ppm (mg/l) $CaCO_3$
Alkalinity–M Photometer

1



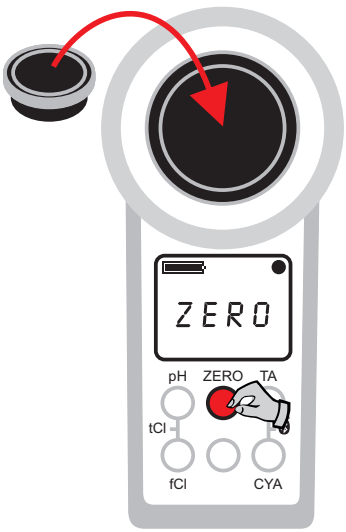
2

Take 10 ml Water Sample



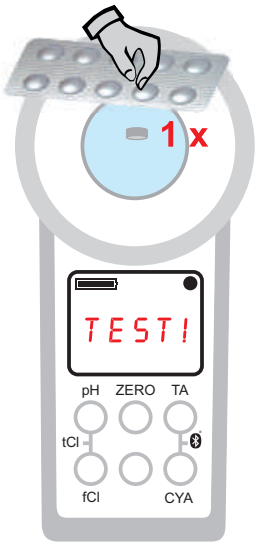
3

ZERO! (p.18)

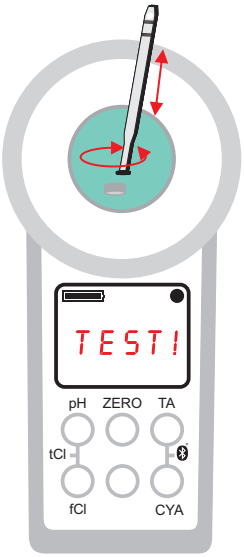


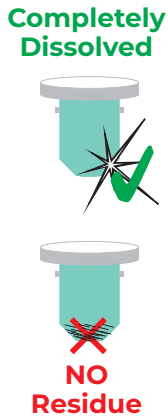
4

1 x Alkalinity-M Photometer

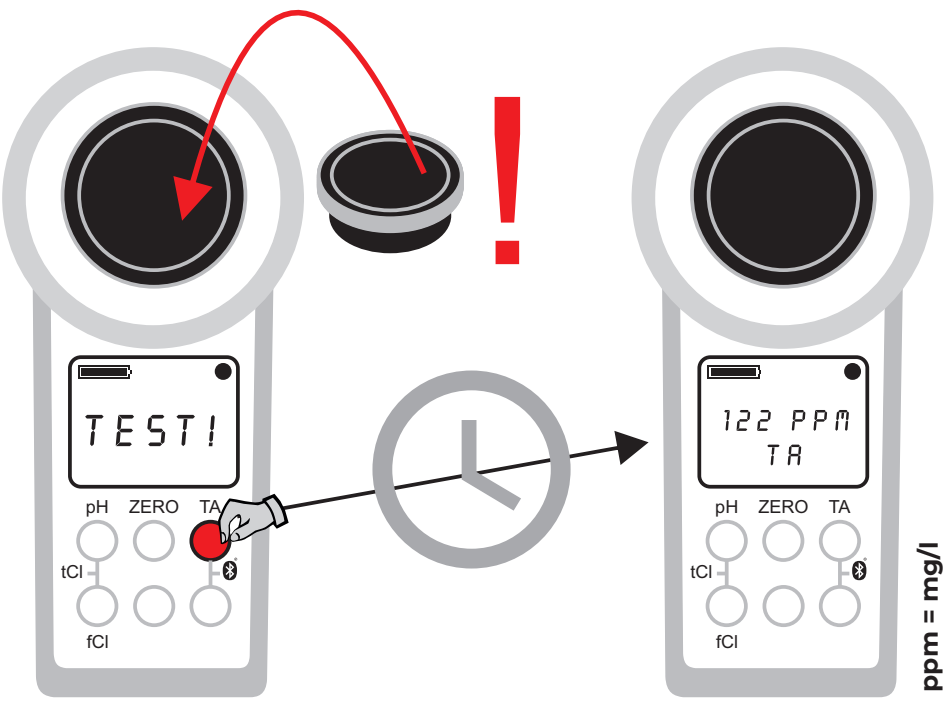


5





6



Bromine
Brom
Bróm
Bromul

Tablet Mode:

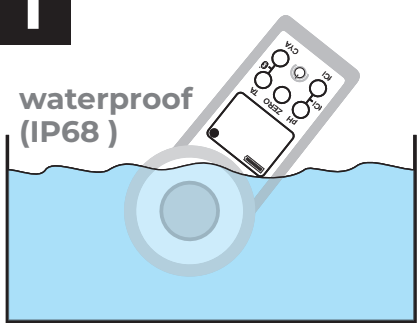
0.00 – 18.00 ppm (mg/l)
DPD N°1 Photometer Tablet
Glycine*

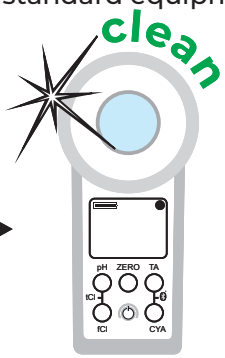
Liquid Mode:

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

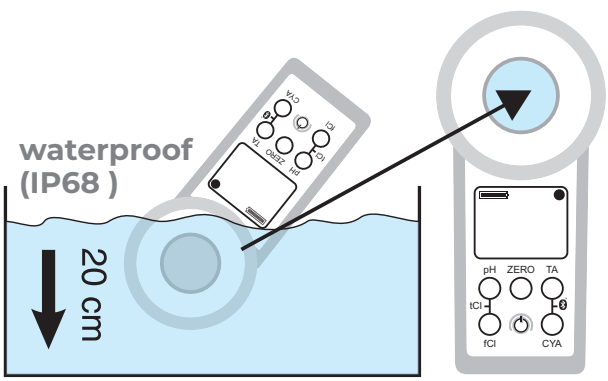
*not part of standard equipment

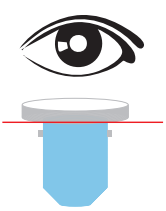
1





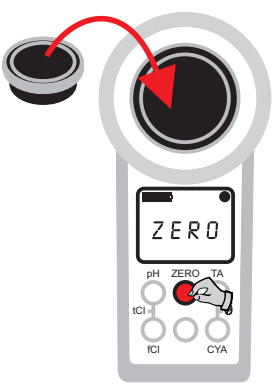
2 **Take 10 ml Water Sample**





10 ml

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".**

Pouze v případě, že váš vzorek vody obsahuje vedle bromu i chlor (obě použitá dezinfekční činidla), je třeba postupovat podle následujícího postupu "A" a použít činidlo glycin*. V opačném případě (přítomnost pouze bromu) postupujte podle postupu **"B".**

Tylko jeśli próbka wody zawiera obok chloru także brom (oba środki dezynfekujące), należy zastosować procedurę "A" i użyć odczynnika Glycine*. W przeciwnym razie (obecność tylko Bromu), należy postępować zgodnie z procedurą **"B".**

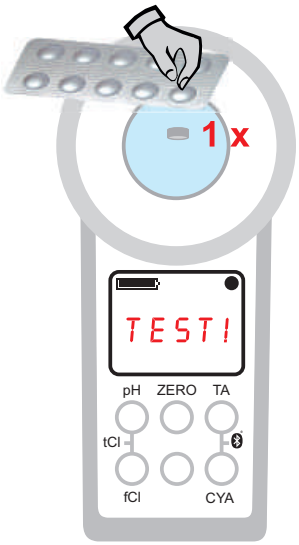
Csak akkor, ha a vízminta a bróm mellett klórt is tartalmaz (mindkét fertőtlenítőszert használják), a következő "A" eljárást kell követni, és glicin* reagenssel kell dolgozni. Ellenkező esetben (csak bróm van jelen), kérjük, kövesse a **"B"** eljárást.

Numai în cazul în care proba de apă conține clor alături de brom (ambii dezinfectanți utilizați), trebuie urmată următoarea procedură "A" și trebuie utilizat reactivul Glicină*. În caz contrar (doar brom prezent), vă rugăm să urmați procedura **"B".**

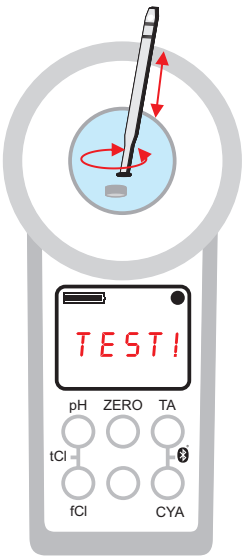
A With Chlorine | S Chlorem | Z Chlorem | Klórral | Cu Clor

4A

1 x Glycine*



5A



Completely dissolved

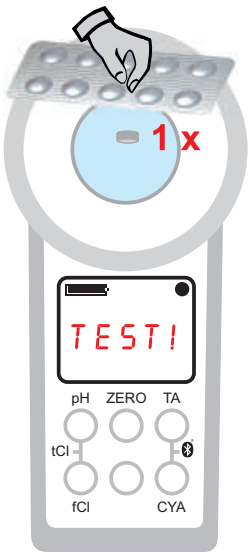
NO Residue

6A

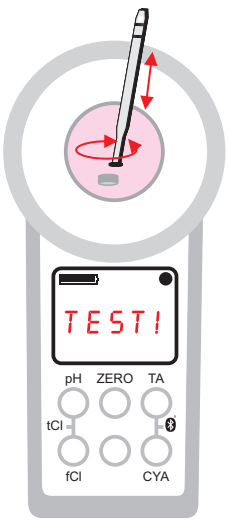
Tablet Or Liquid? (p. 10)

1 x DPD N°1 Photometer

3 x DPD 1A +
3 x DPD 1B



7A



Completely dissolved

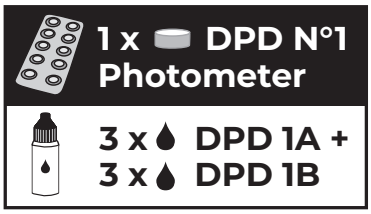
NO Residue

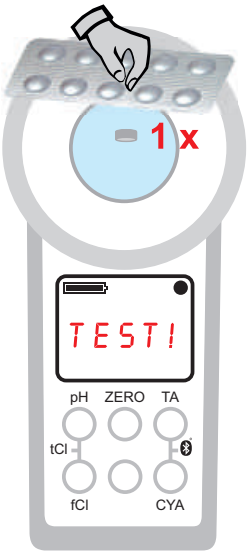
B

Without Chlorine | Bez Chlóru
Bez Chloru | Klór Nélkül | Fără Clor

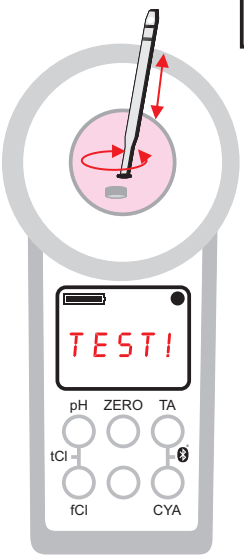
4B

Tablet Or Liquid? (p. 10)

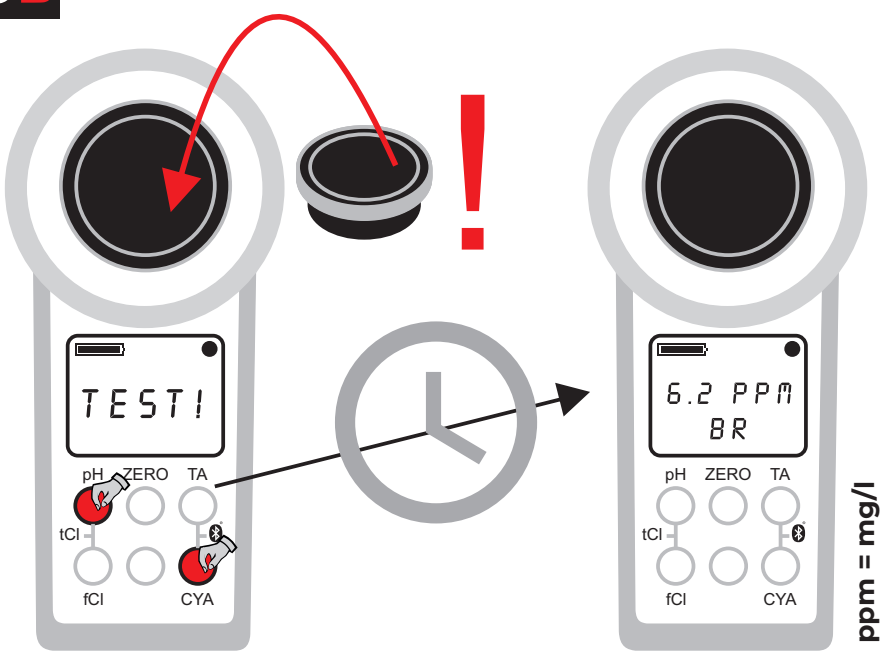




5B



8A/6B

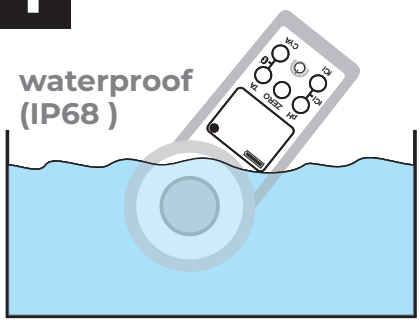


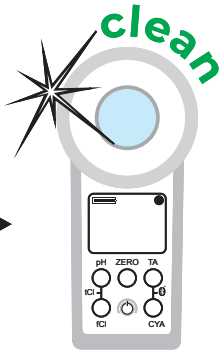
Calcium Hardness
Tvrdost Vápníku
Twardość Wapniowa
Kalcium-Keménység
Duritatea Calciului

0 – 500 ppm (mg/l) $CaCO_3$
POL20CaH1* | POL20CaH2*

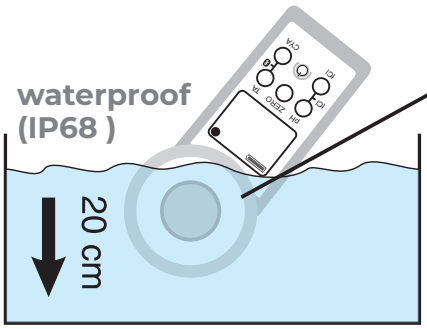
*not part of standard equipment

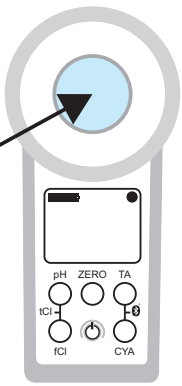
1

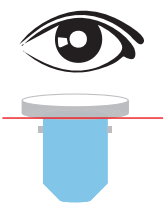




2 **Take 10 ml Water Sample**

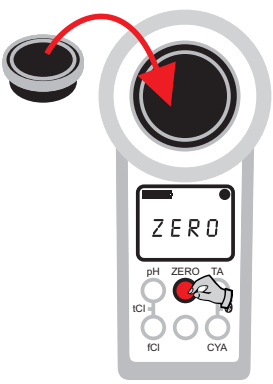






10 ml

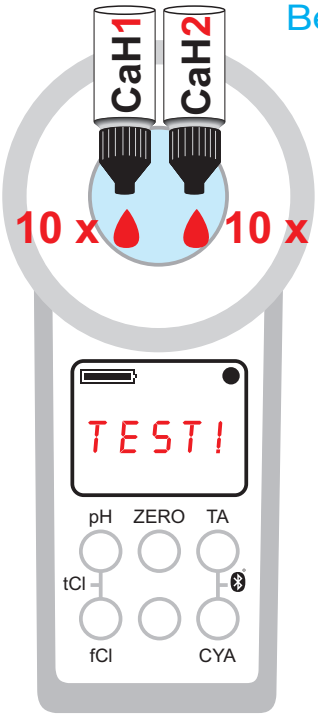
3 **ZERO! (p.18)**



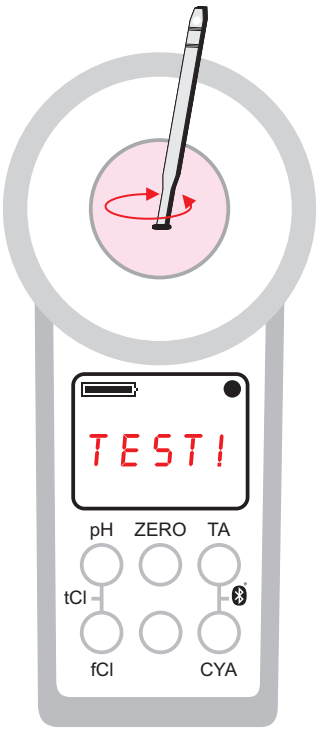
4

POL20CaH1*
POL20CaH2*

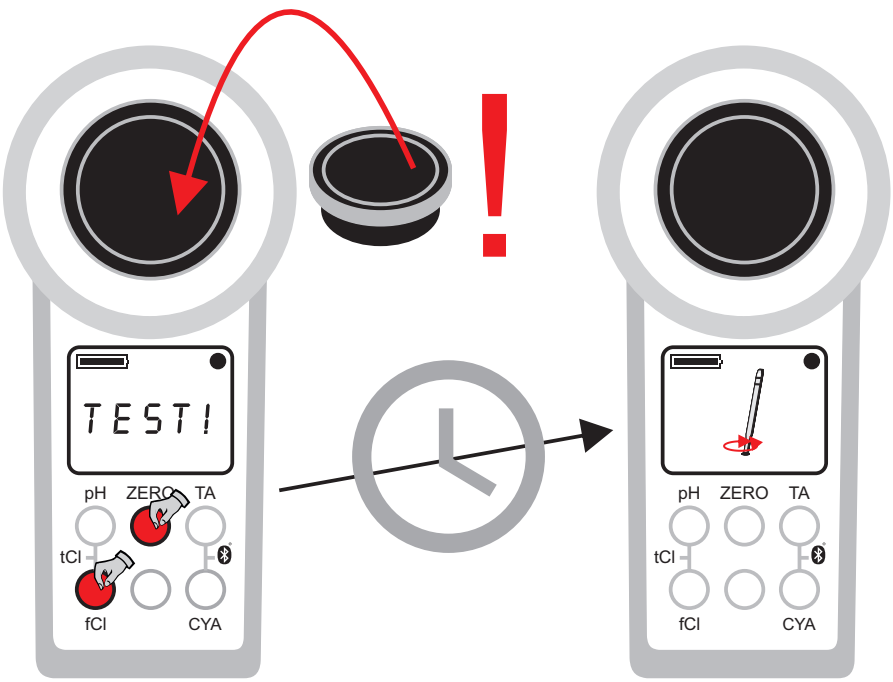
*Shake Before Use!



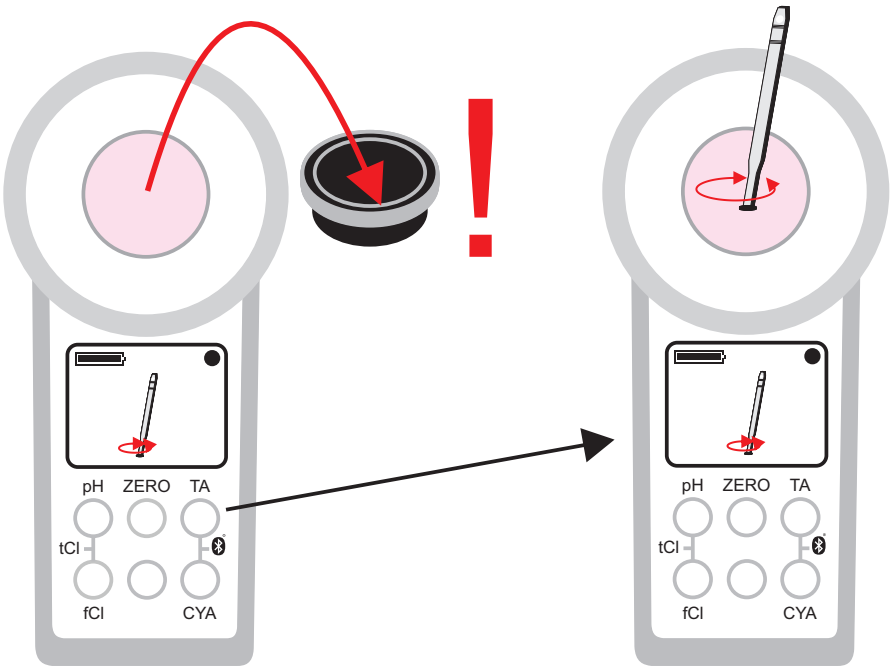
5



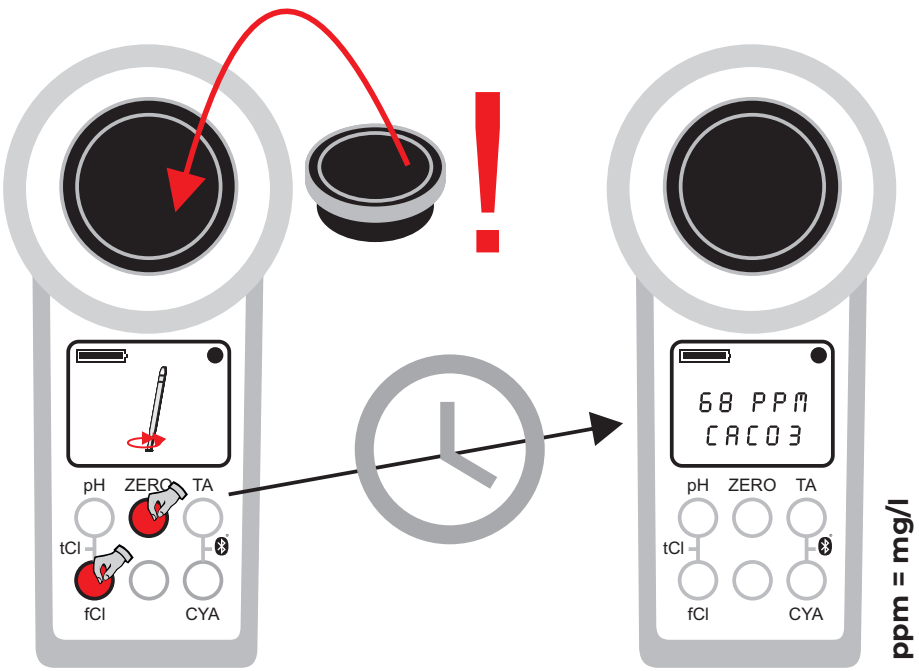
6



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
Chlor
Klór
Clor

Tablet Mode:

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

0.00 4.00 8.00 → OR

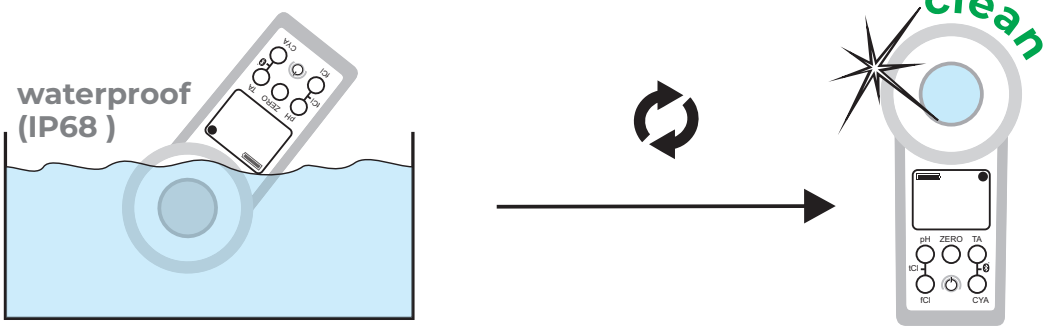
Liquid Mode:

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

0.00 2.00 4.00 → OR

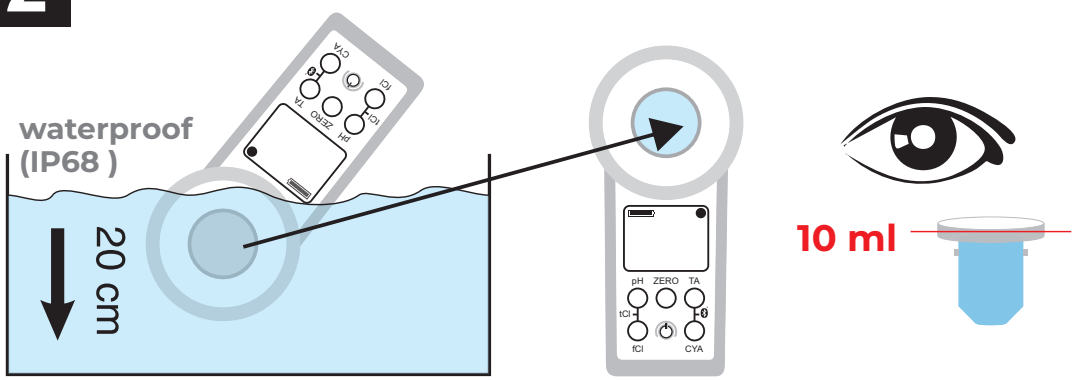
*not part of standard equipment

1



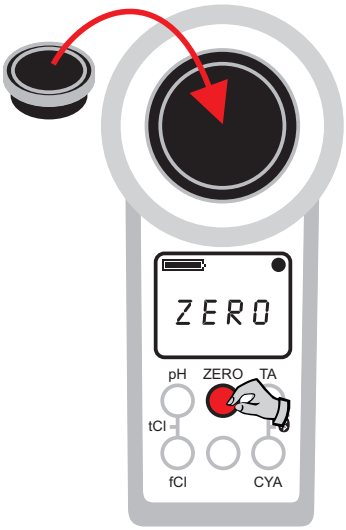
2

Take 10 ml Water Sample



3

ZERO! (p.18)

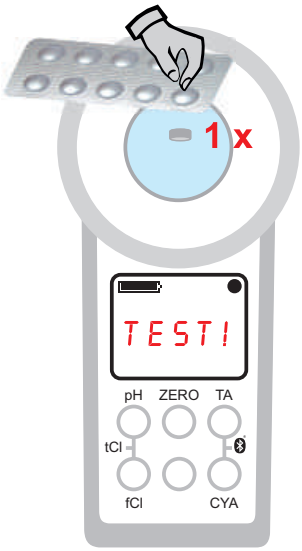


4

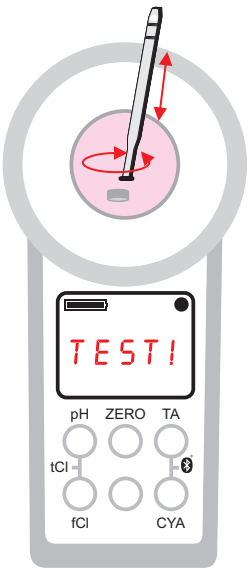
Tablet Or Liquid? (p. 10)

1 x DPD N°1 Photometer

3 x DPD 1A + 3 x DPD 1B

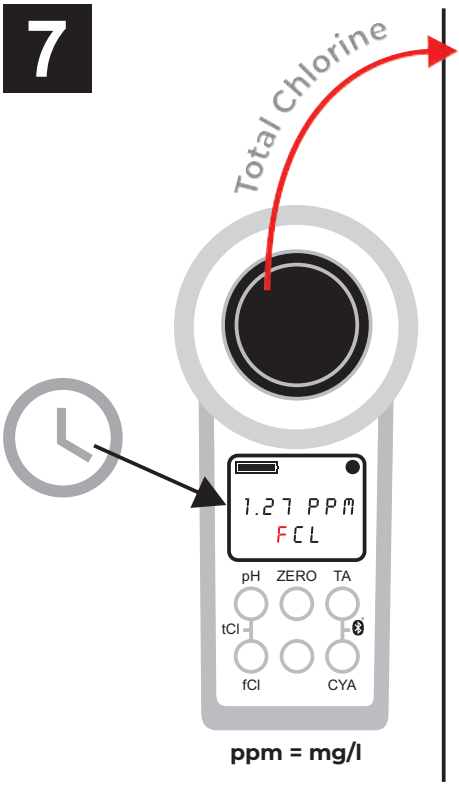


5



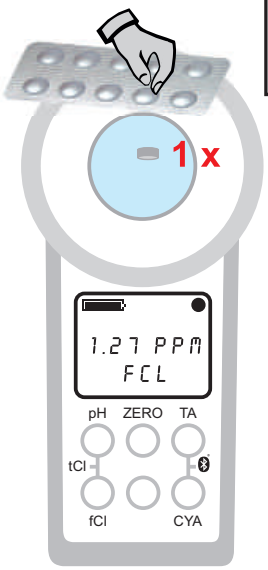
6

7



ppm = mg/l

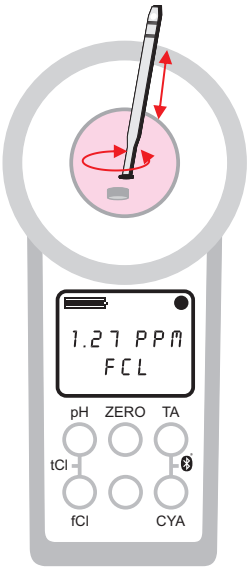
8

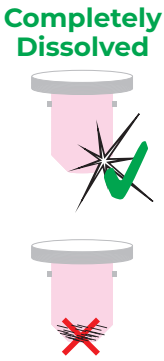


Tablet Or Liquid? (p. 10)

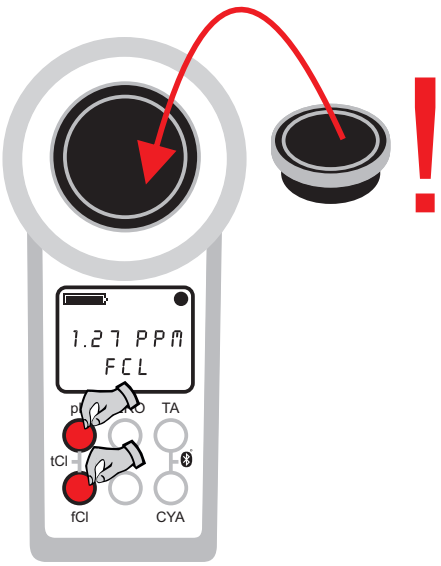
1 x DPD N°3 Photometer	
	3 x DPD 3C

9

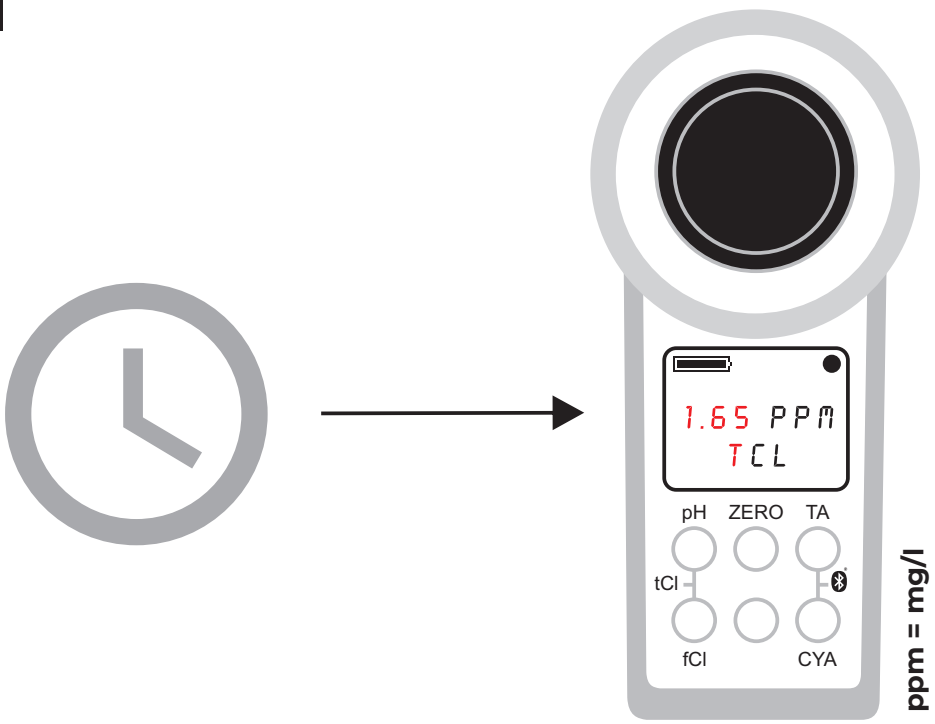




10



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.**

Celkový chlor se měří bezprostředně po volném chloru bez vyprázdnění kyvety. Tableta DPD 3 se přidá do vzorku vody, který již obsahuje tabletu DPD 1 (rozpuštěnou). Kombinovaný chlor se vypočítá jako celkový chlor minus volný chlor. **Měření volného chloru musí být provedeno do 1 minuty po rozpuštění tablety. Poté se naměřené hodnoty mohou průběžně zvyšovat.**

Chlor całkowity jest mierzony bezpośrednio po chlorze wolnym bez konieczności opróżniania kuwety. Tabletka DPD 3 jest dodawana do próbki wody, która zawiera już tabletkę DPD 1 (rozpuszczoną). Chlor łączony jest obliczany jako Chlor całkowity minus Chlor wolny. **Pomiar wolnego chloru musi być wykonany w ciągu 1 minuty od rozpuszczenia tabletki. Po tym czasie, mierzone wartości mogą stale wzrastać.**

Az összes klór mérése közvetlenül a szabad klór után történik, a küvetta kiürítése nélkül. A DPD 3 tablettát a DPD 1 tablettát (oldottan) már tartalmazó mintavízhez adjuk. A kombinált klórt az összes klór mínusz szabad klór értékeként kell kiszámítani. **A szabad klór mérését a tabletta feloldását követő 1 percen belül kell elvégezni. Ezt követően a mért értékek folyamatosan növekedhetnek.**

Clorul total se măsoară direct după clorul liber, fără a goli cuva. Tableta DPD 3 se adaugă la apa de probă care conține deja tableta DPD 1 (dizolvată). Clorul combinat se calculează ca fiind Clorul total minus Clorul liber. **Măsurarea clorului liber trebuie efectuată în decurs de 1 minut după dizolvarea tabletei. După aceea, valorile măsurate pot crește continuu.**

Chlorine Dioxide
Oxid Chloričitý
Dwutlenek Chloru
Klór-Dioxid
Dioxid De Clor

Tablet Mode:

0.00 – 15.00 ppm (mg/l)
DPD N°1 Photometer Tablet
Glycine*

0.00 5.00 11.40 → OR

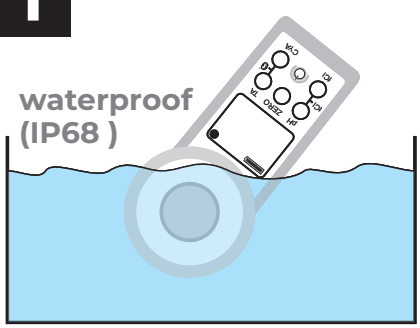
Liquid Mode:

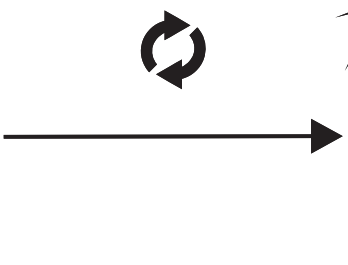
0.00 – 7.60 ppm (mg/l)
DPD 1A + 1B Liquid*
Glycine*

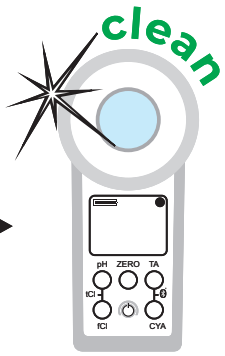
0.00 3.00 7.60 → OR

*not part of standard equipment

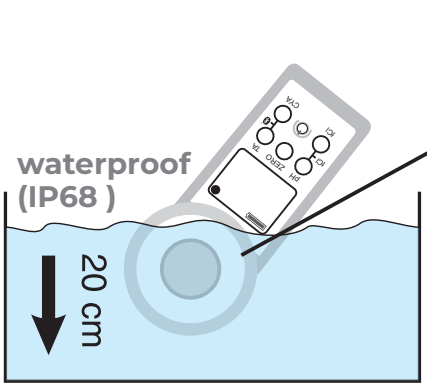
1

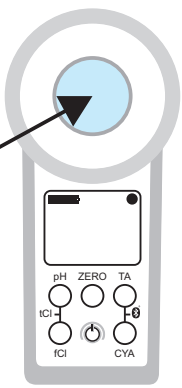


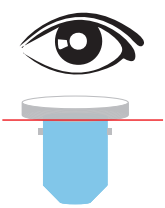




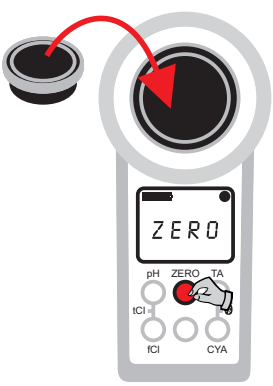
2 Take 10 ml Water Sample







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".**

Pouze v případě, že váš vzorek vody obsahuje vedle oxidu chloričitého také chlor (oba použité dezinfekční prostředky), je třeba postupovat podle následujícího postupu "A" a použít činidlo glycin*. V opačném případě (přítomnost pouze oxidu chloričitého) postupujte podle postupu **"B".**

Tylko jeśli próbka wody zawiera obok dwutlenku chloru również chlor (oba środki dezynfekujące), należy zastosować procedurę "A" i użyć odczynnika Glycine*. W przeciwnym razie (obecność tylko dwutlenku chloru), należy postępować zgodnie z procedurą **"B".**

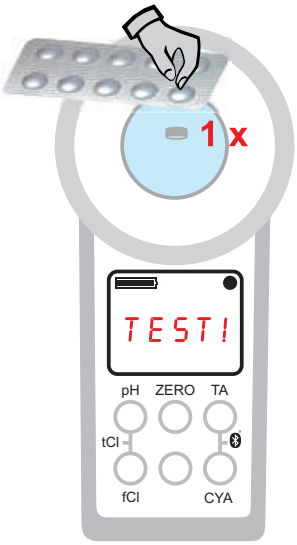
Csak akkor, ha a vízminta a klór-dioxid mellett klórt is tartalmaz (mindkét fertőtlenítőszert használják), a következő "A" eljárást kell követni, és glicin* reagenssel kell dolgozni. Ellenkező esetben (csak klór-dioxid van jelen), kérjük, kövesse a **"B"** eljárást.

Numai în cazul în care proba de apă conține clor alături de dioxid de clor (ambii dezinfectanți utilizați), trebuie urmată următoarea procedură "A" și trebuie utilizat reactivul Glicină*. În caz contrar (doar dioxid de clor prezent), vă rugăm să urmați procedura **"B".**

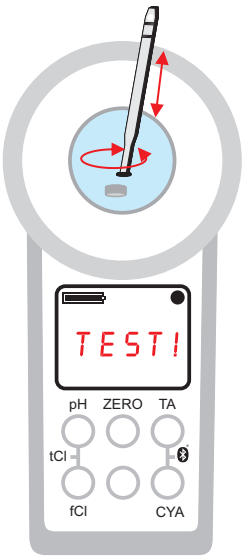
A With Chlorine | S Chlorem | Z Chlorem | Klórral | Cu Clor

4A

1 x Glycine*



5A



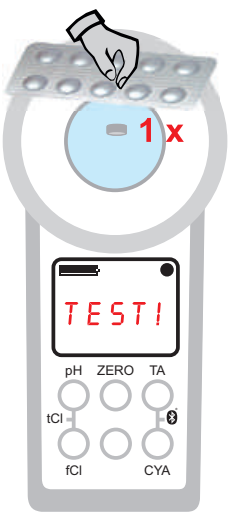
Completely Dissolved

NO Residue

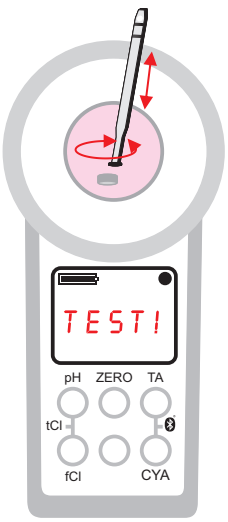
6A

Tablet Or Liquid? (p. 10)

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



7A



Completely Dissolved

NO Residue

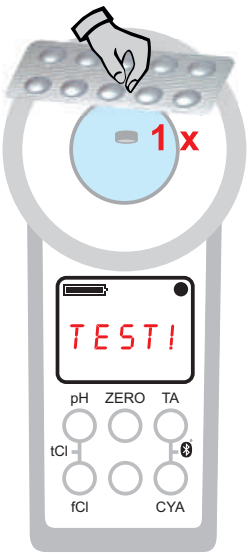
B

Without Chlorine | Bez Chlóru
Bez Chloru | Klór Nélkül | Fără Clor

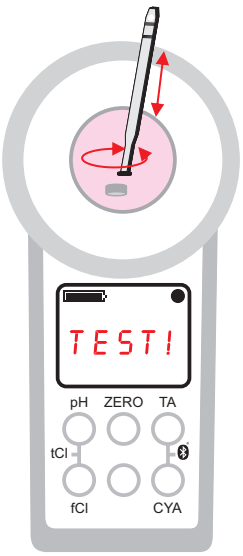
4B

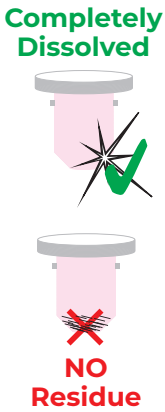
Tablet Or Liquid? (p. 10)

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

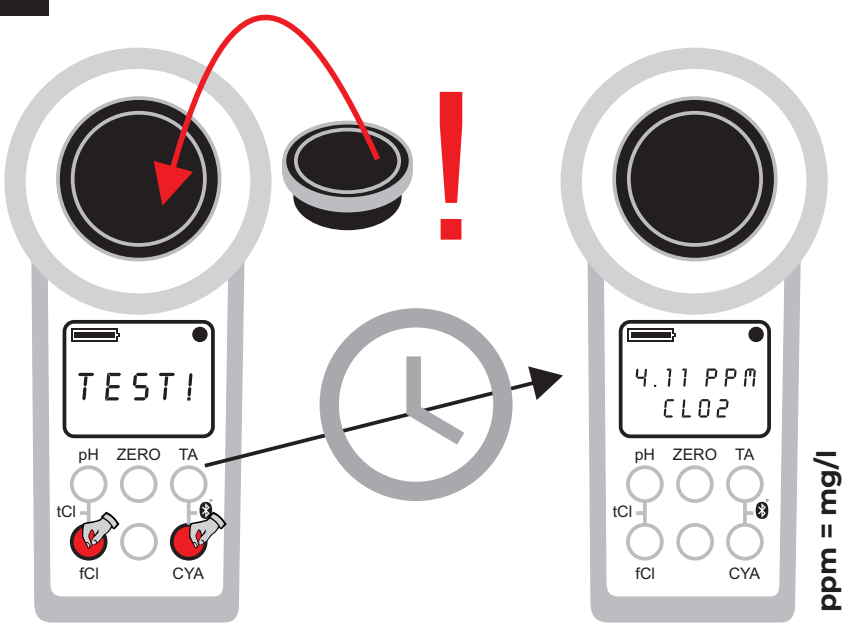


5B





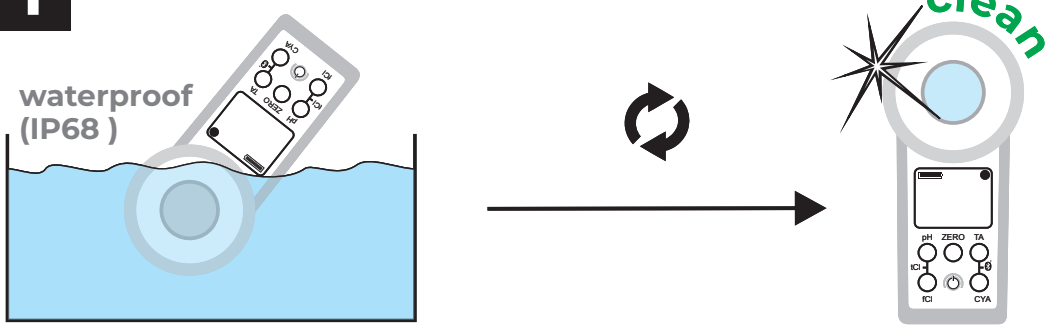
8A/6B



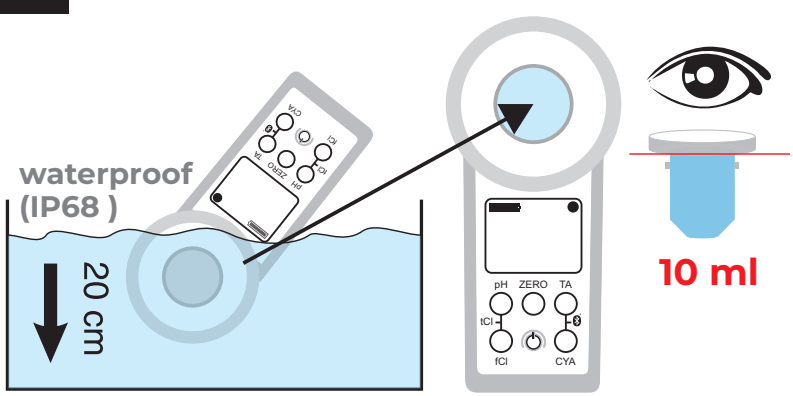
Cyanuric Acid
Kyselina Kyanurová
Kwas Cyjanurowy
Cianursav
Acid Cianuric

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

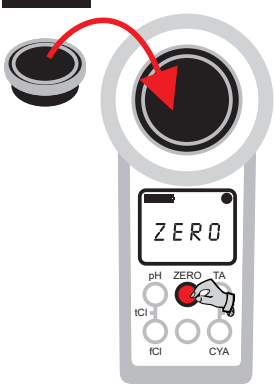
1



2 **Take 10 ml Water Sample**

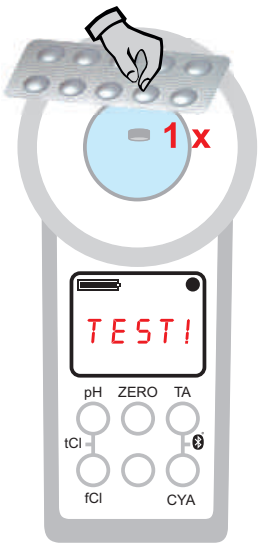


3 **ZERO!** **(p.18)**

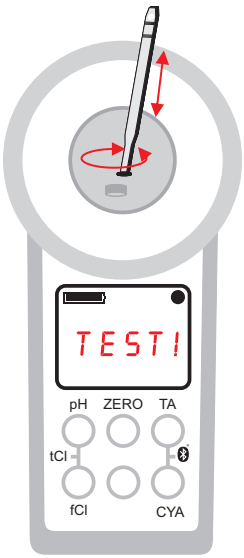


4

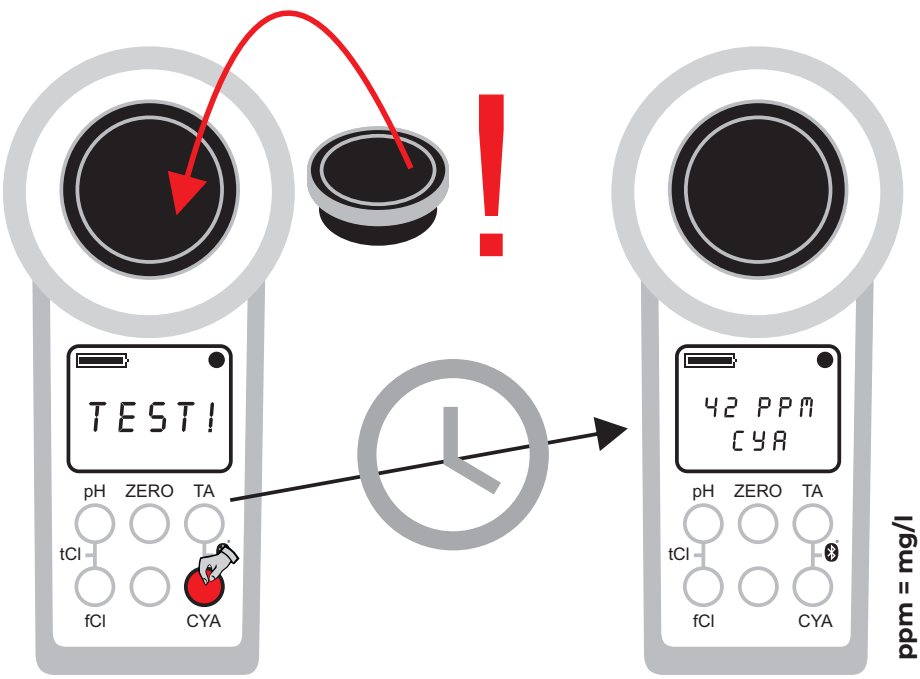
1 x CYA–Test
Photometer



5



6



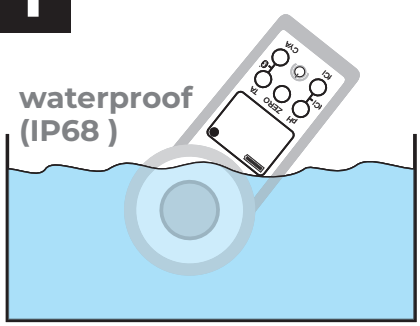
(LR)
Hydrogen Peroxide
Peroxid Vodíku
Nadtlenek Wodoru
Hidrogén-Peroxid
Peroxid De Hidrogen

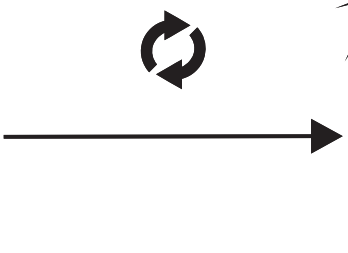
0.00 – 2.90 ppm (mg/l)
Hydr. Peroxide LR Photometer*

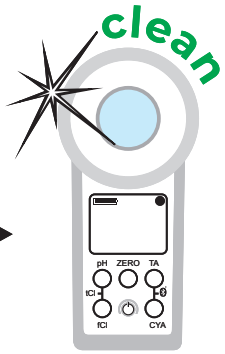
0.00 1.45 2.90 → OR

*not part of standard equipment

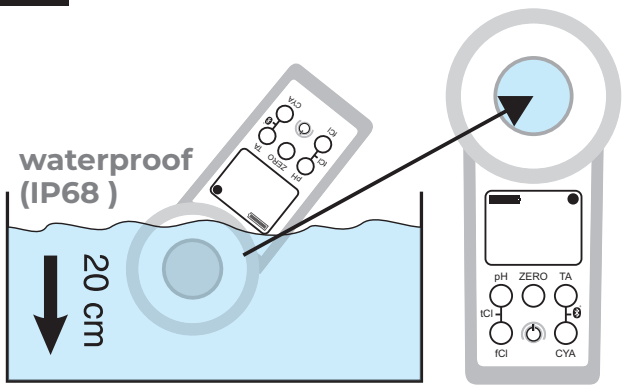
1

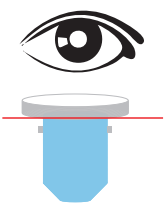






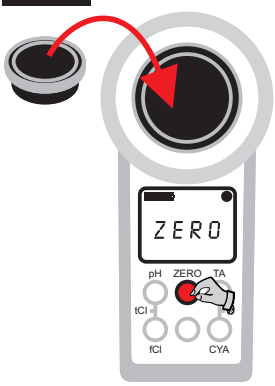
2 **Take 10 ml Water Sample**





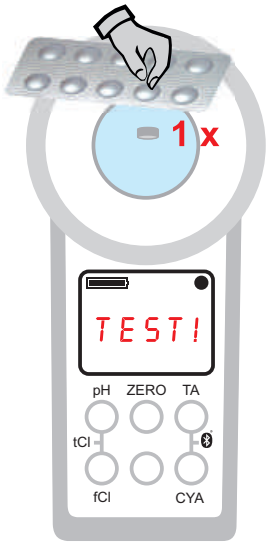
10 ml

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

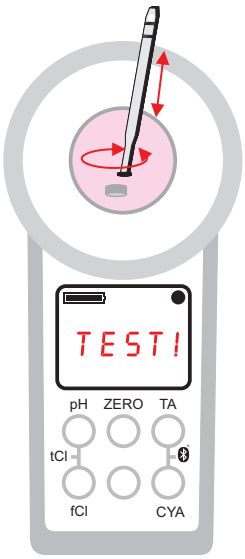


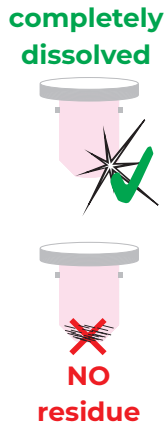
4

1 x Hydr. Peroxide LR Photometer*

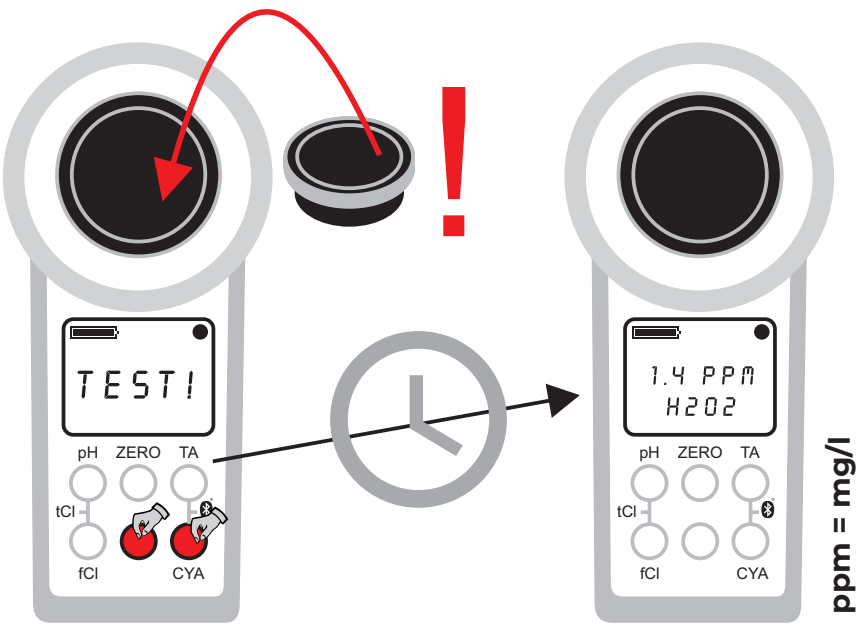


5





6



(HR)
Hydrogen Peroxide
Peroxid Vodíku
Nadtlenek Wodoru
Hidrogén-Peroxid
Peroxid De Hidrogen

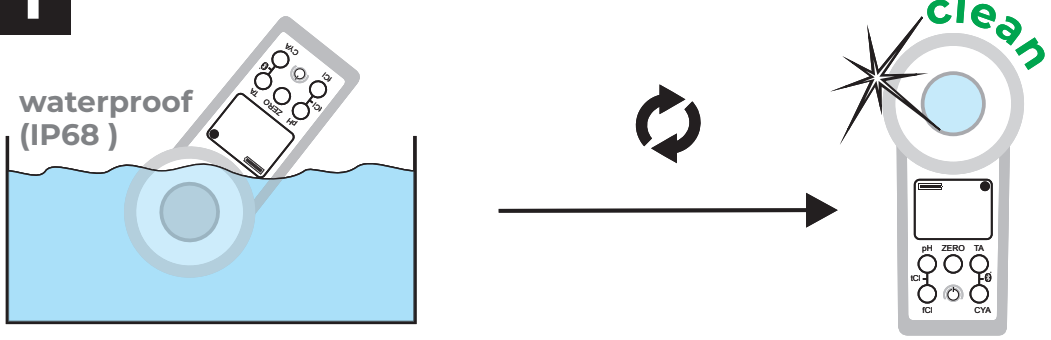
0 – 200 ppm (mg/l)

Hydr. Peroxide HR Photometer* | Acidifying PT*

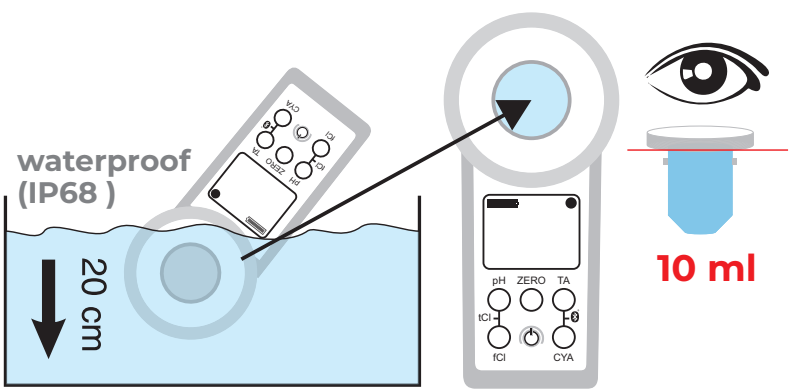
0 100 200 ➡ OR

*not part of standard equipment

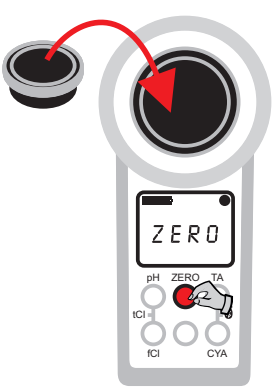
1



2 **Take 10 ml Water Sample**

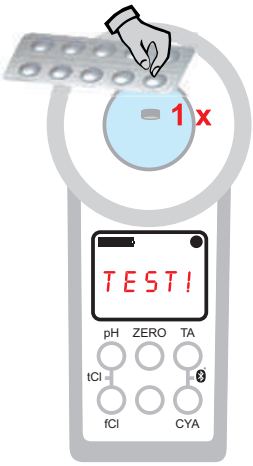


3 **ZERO! (p.18)**



4

1 x Acidifying PT*



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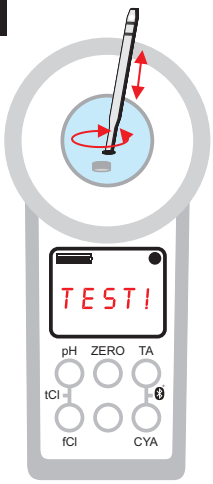
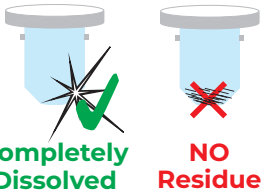
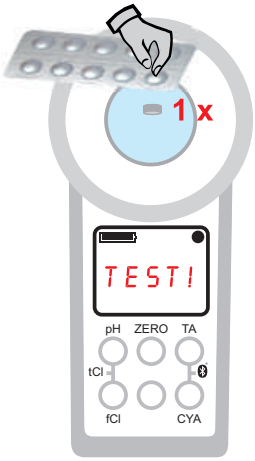


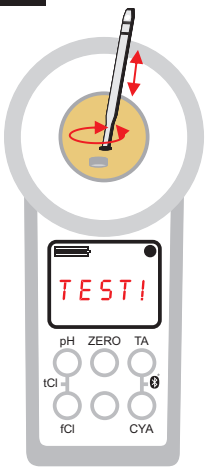


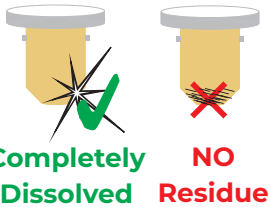
6

1 x Hydr. Peroxide HR Photometer*

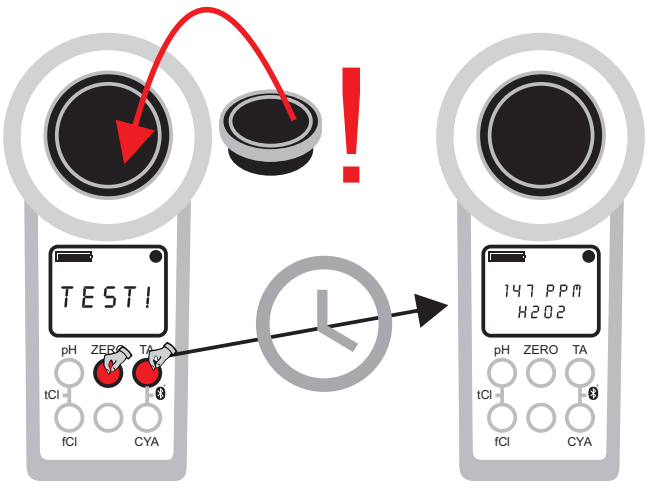


7





8



ppm = mg/l

Ozone
Ozon
Ózon

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

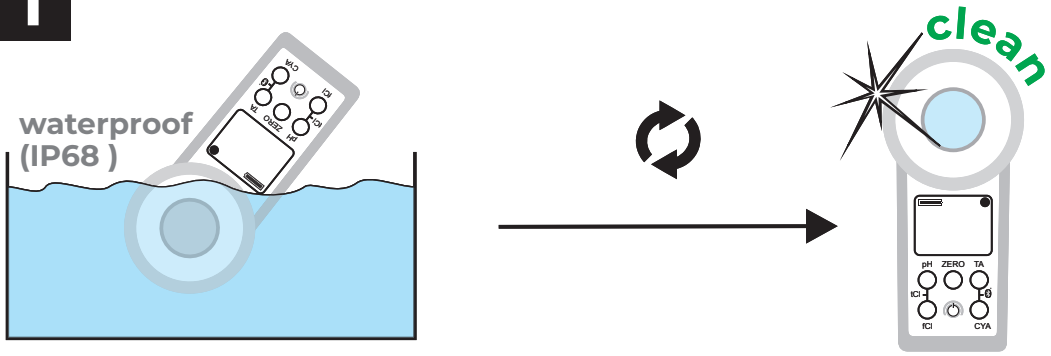
Liquid Mode:

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

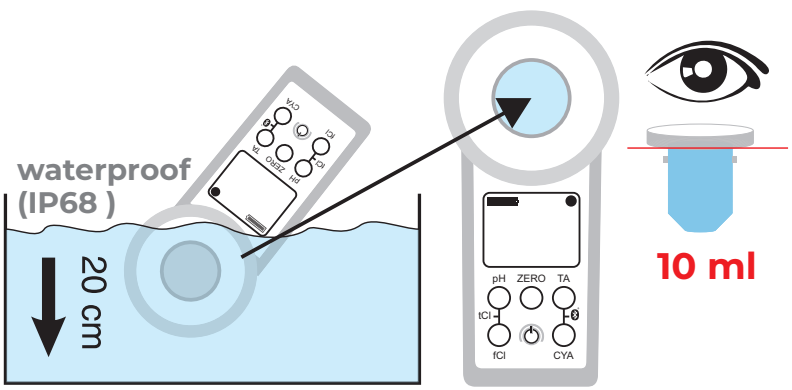
0.00 1.30 2.70 → OR

*not part of standard equipment

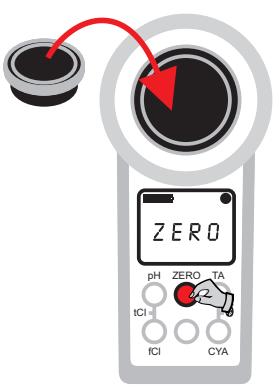
1



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".**

Nur wenn die Wasserprobe neben Ozon auch Chlor enthält (beide Desinfektionsmittel wurden benutzt), muss das Verfahren „B" angewendet und die Glycine* Tablette verwendet werden. Falls die Probe nur Ozon und kein Chlor enthält, bitte dem Verfahren **„A"** folgen.

Sólo cuando la muestra de agua contiene Ozono y cloro (se han utilizado ambos desinfectantes), debe ser aplicado el método "B" usando la tableta de glicina*. Si la muestra contiene únicamente Ozono y no contiene cloro, por favor seguir el método **"A".**

Seulement si votre échantillon d'eau contient du chlore avec de l' Ozone (les deux désinfectants utilisés), la procédure suivante «B» doit être suivie et le réactif Glycine* doit être utilisé. Sinon (seul Ozone présent sans Chlore), suivez la procédure **«A».**

Solo quando il campione di acqua contiene Ozono e cloro (entrambi disinfettanti vengono usati), deve essere utilizzato il metodo "B" e la pasticca Glycine* deve essere applicata. Se il campione contiene solo Ozono e non contiene cloro, si prega la procedura metodo **"A"**.

A

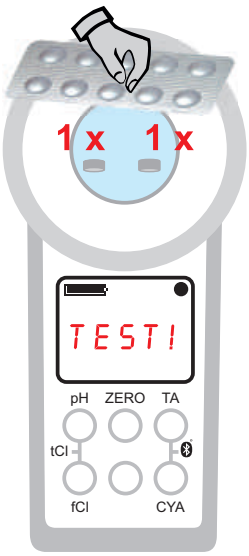
Without Chlorine | Bez Chlóru
Bez Chloru | Klór Nélkül | Fără Clor

4A

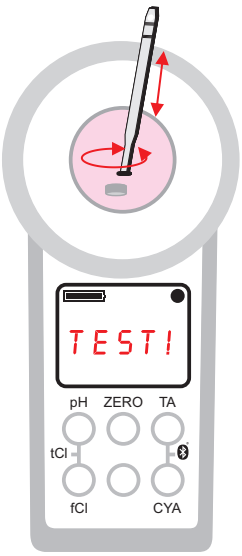
Tablet Or Liquid? (p. 10)

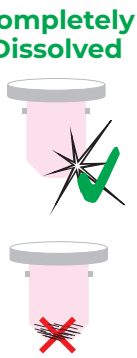
1 x DPD N°1 +
1 x DPD N°3
Photometer

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

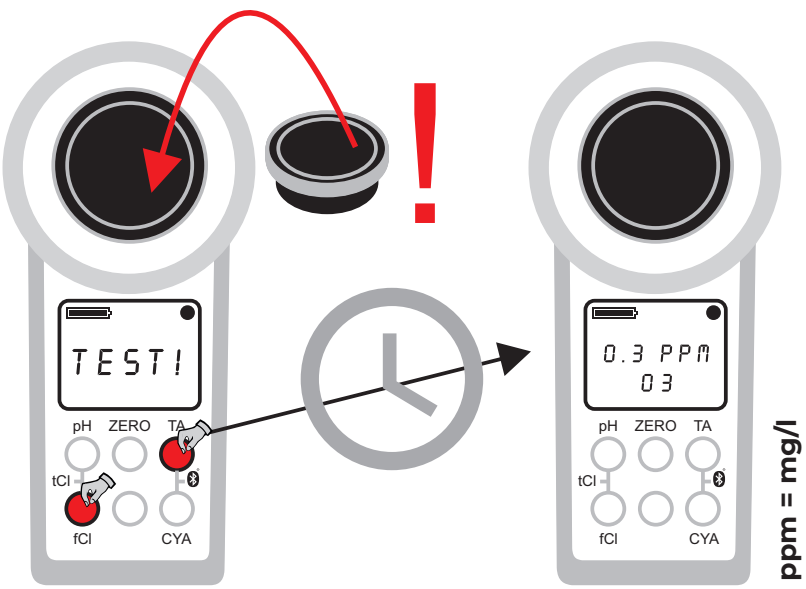


5A





6A



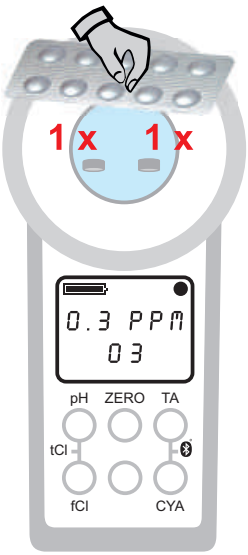
B With Chlorine | S Chlorem | Z Chlorem | Klórral | Cu Clor

4B

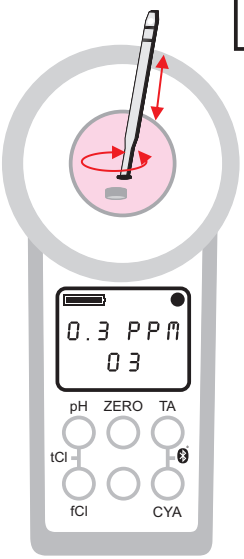
Tablet Or Liquid? (p. 10)

1 x DPD N°1 +
1 x DPD N°3
Photometer

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



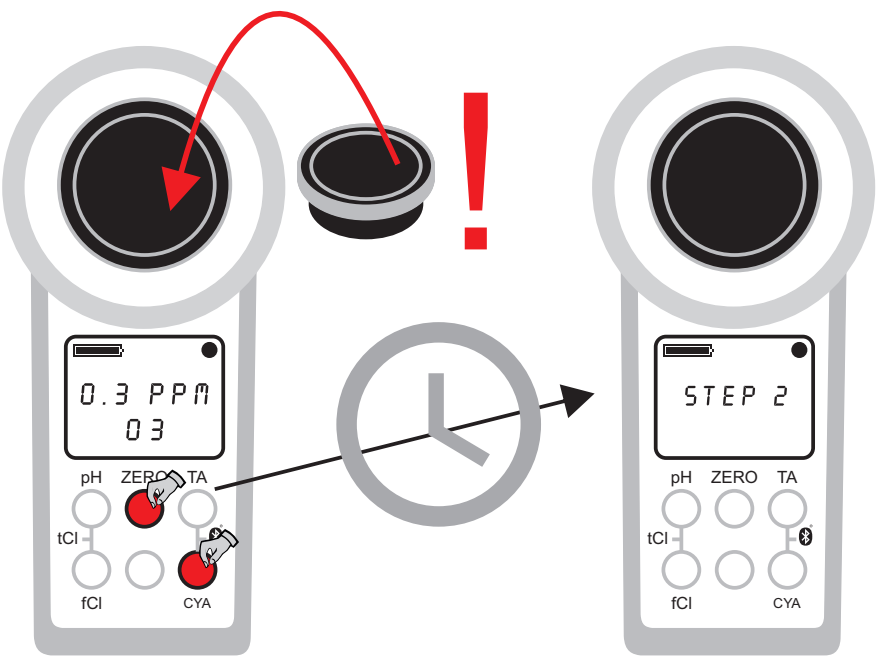
5B



Completely Dissolved

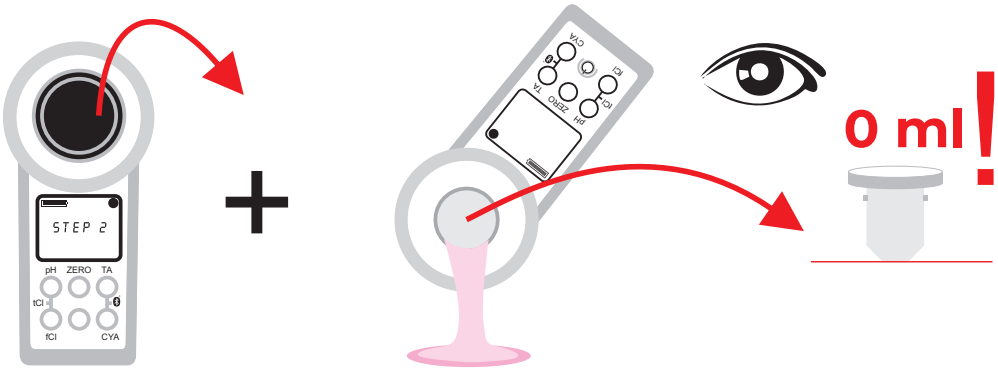
NO Residue

6B

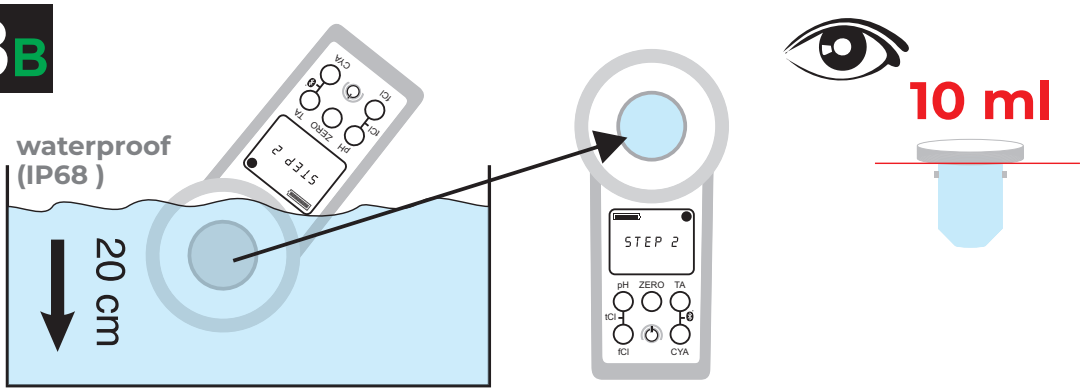


B With Chlorine | S Chlorem | Z Chlorem | Klórral | Cu Clor

7B

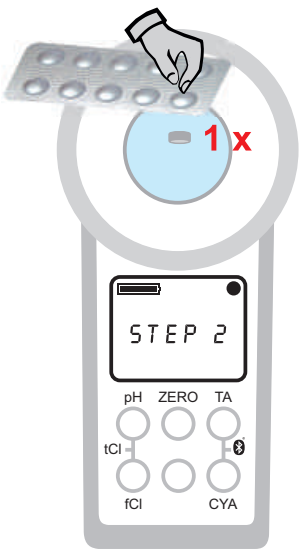


8B

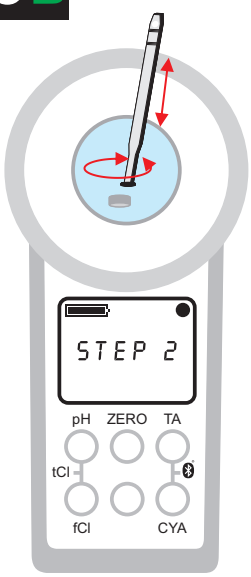


9B

1 x Glycine*



10B



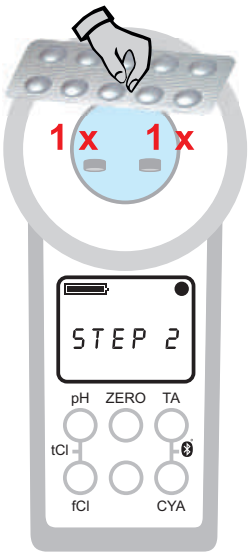
B With Chlorine | S Chlorem | Z Chlorem | Klórral | Cu Clor

11B

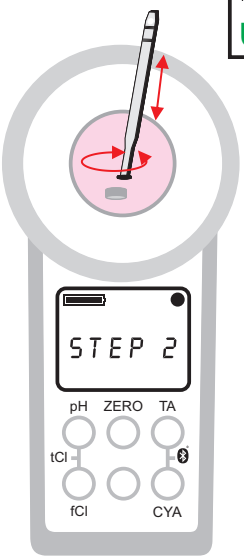
Tablet Or Liquid? (p. 10)

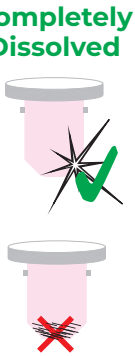
1 x DPD N°1 +
1 x DPD N°3
Photometer

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

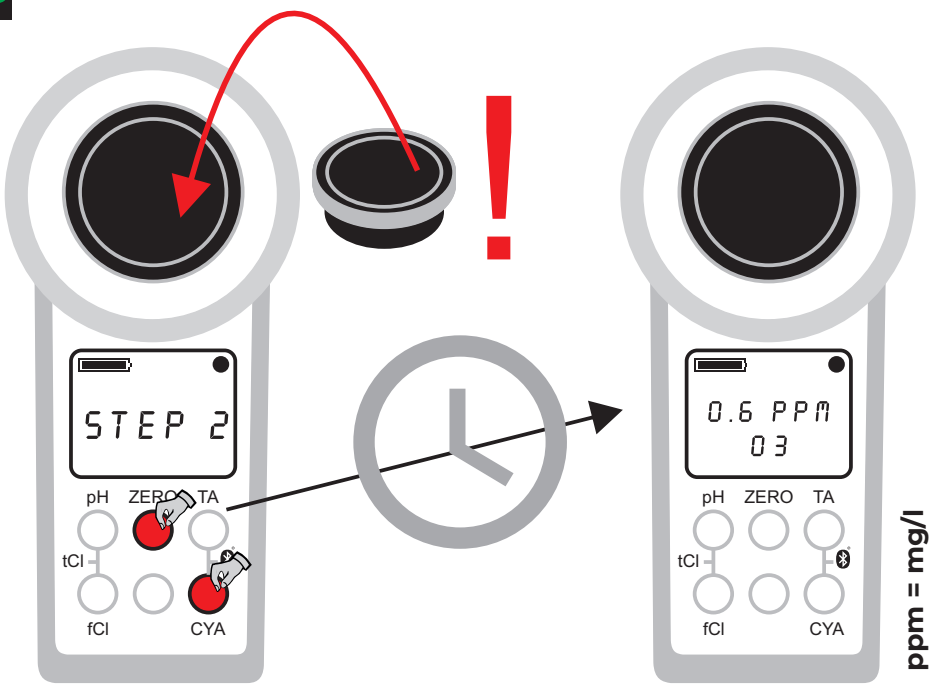


12B





13B



pH

Tablet Mode:

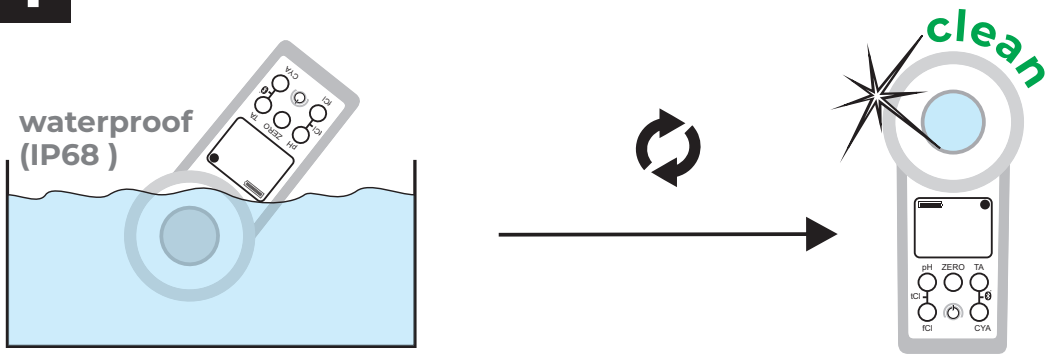
6.50 – 8.40 pH
Phenol Red Photometer

Liquid Mode:

6.50 – 8.40 pH
Phenol Red Liquid*

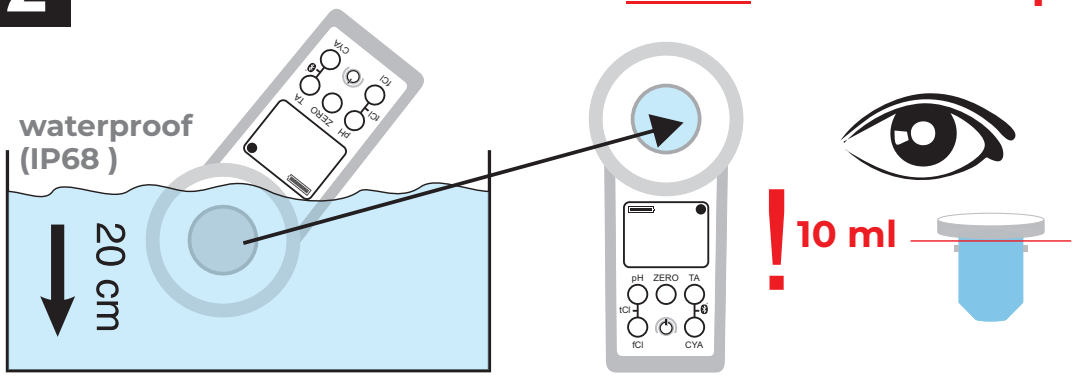
*not part of standard equipment

1



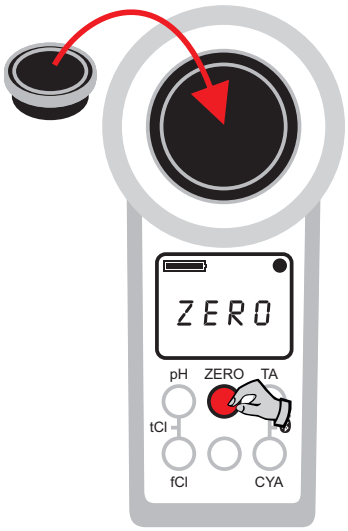
2

Take 10 ml Water Sample



3

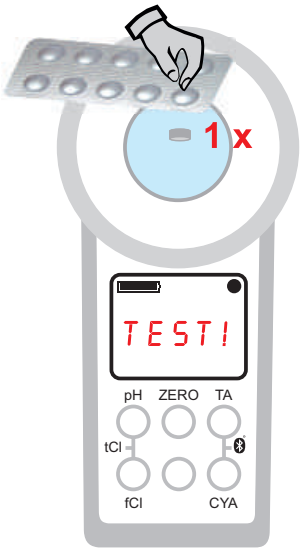
ZERO! (p.18)



4

Tablet Or Liquid? (p. 10)

1 x Phenol Red Photometer	
	6 x Phenol Red



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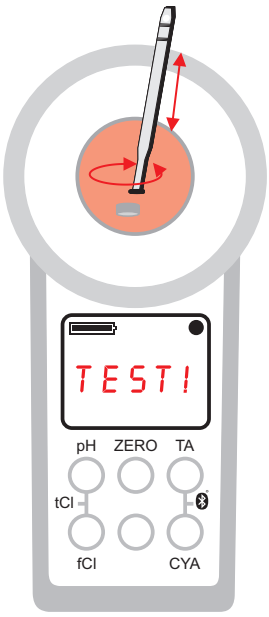
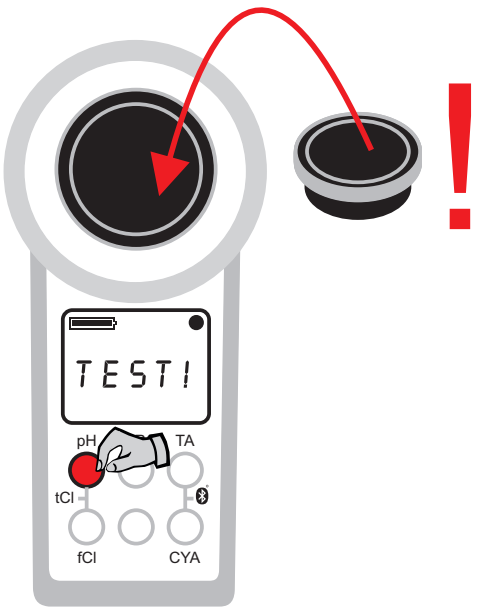
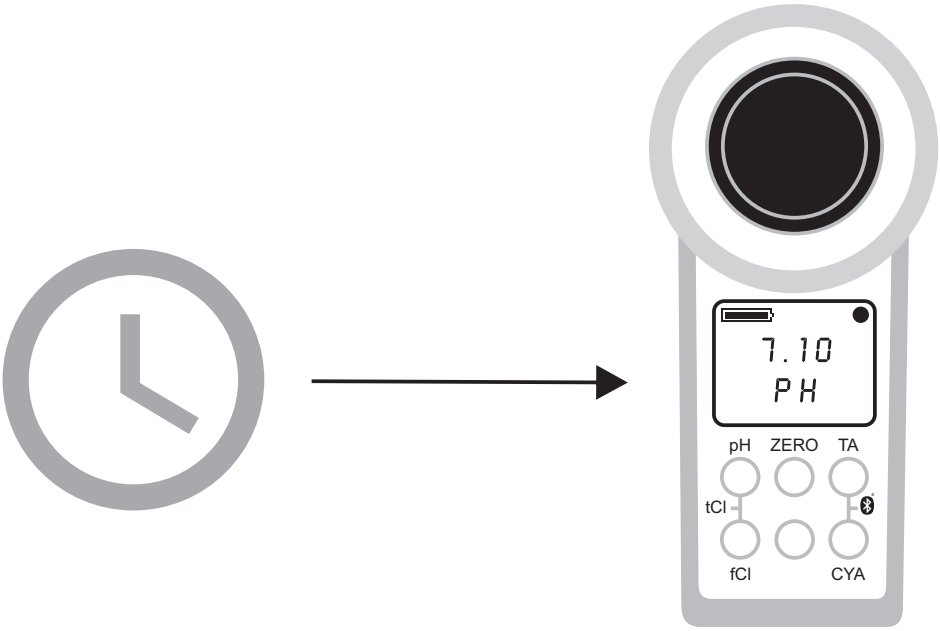


6



7



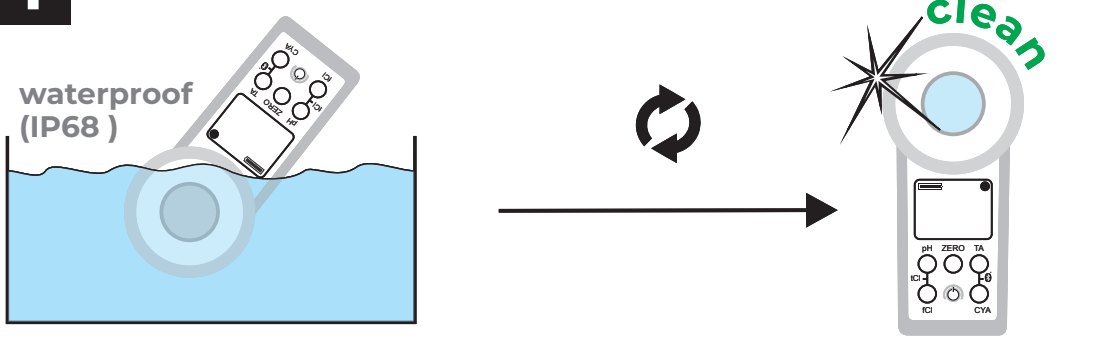
The Total Alkalinity value has to be minimum 50 mg/l to obtain a correct pH value.
Hodnota celkové alkality musí být minimálně 50 mg/l, aby bylo dosaženo správné hodnoty pH.
Wartość alkaliczności całkowitej musi wynosić minimum 50 mg/l, aby uzyskać prawidłową wartość pH.
Az összes lúgossági értéknek legalább 50 mg/l-nek kell lennie a helyes pH-érték eléréséhez.
Valoarea alcalinității totale trebuie să fie de minimum 50 mg/l pentru a obține o valoare corectă a pH-ului.

PHMB

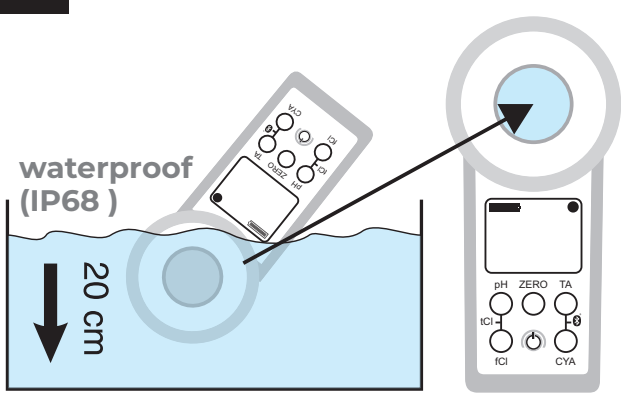
5 – 60 ppm (mg/l)
PHMB Photometer*

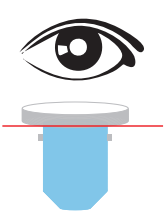
*not part of standard equipment

1

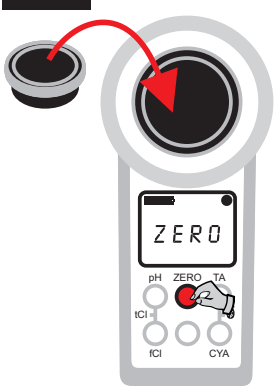


2 **Take 10 ml Water Sample**



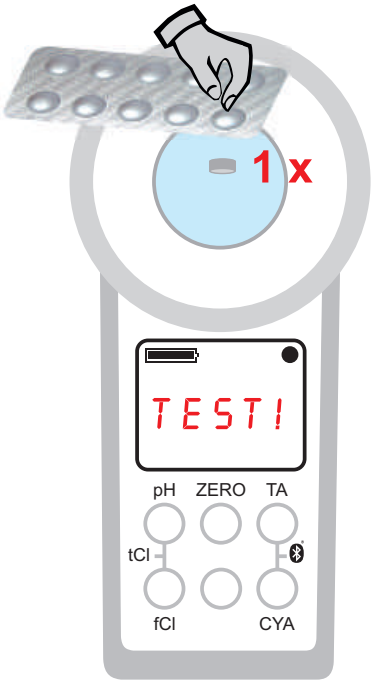


3 **ZERO! (p.18)**

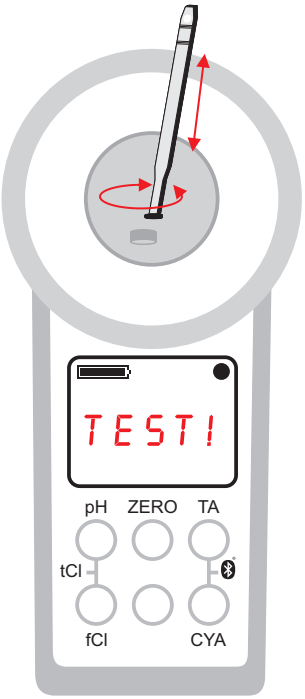


4

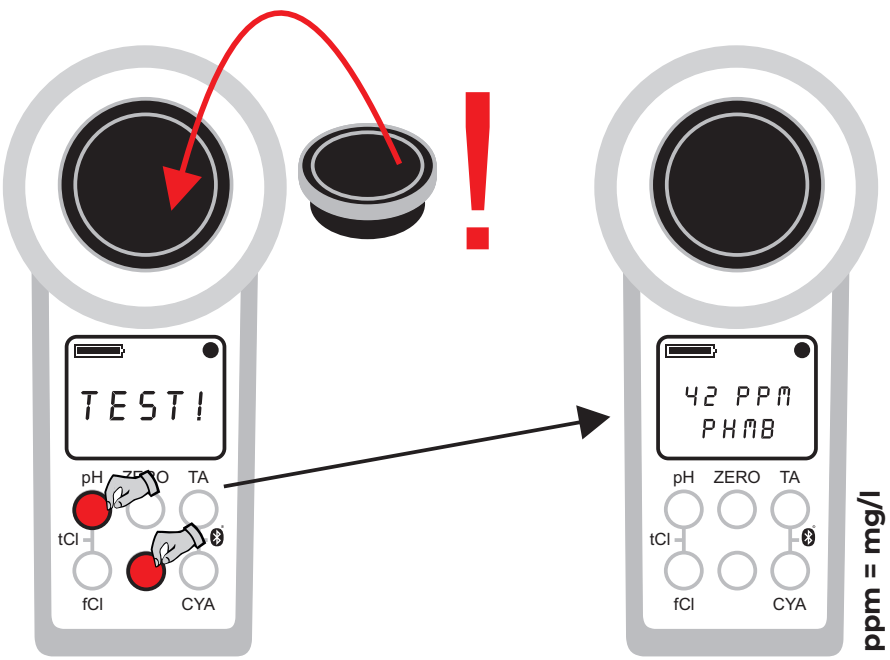
1 x PHMB Photometer



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.

Předměty používané k měření a přicházející do styku s vodou se vzorkem obsahujícím činidlo (kyvetu, víčko, míchací tyčinku) je nutné důkladně očistit kartáčkem, vodou a poté destilovanou vodou, jinak může měřící zařízení časem zmodrat. Hodnoty alkalinity (M) <> 120 mg/l a hodnoty tvrdosti vápníku <> 200 mg/l mohou vést k odchylkám naměřených hodnot.

Przedmioty używane do pomiaru i mające kontakt z wodą zawierającą odczynnik (kuweta, pokrywka, mieszadło) należy bezwzględnie dokładnie wyczyścić szczotką, wodą, a następnie wodą destylowaną, w przeciwnym razie urządzenia pomiarowe mogą z czasem zabarwić się na niebiesko. Wartości alkaliczności (M) <> 120 mg/l i twardości wapnia <> 200 mg/l mogą prowadzić do odchyleń wartości pomiarowych.

A méréshez használt és a reagens tartalmú mintavízzel érintkező tárgyakat (küvetta, fedél, keverőpálca) feltétlenül alaposan tisztítsa meg kefével, vízzel, majd desztillált vízzel, különben a mérőeszközök idővel elkékülhetnek. Lúgossági értékek (M) <> 120 mg/l és kalciumkeménység értékek <> 200 mg/l mérési értékeltérésekhez vezethetnek.

Este imperativ să curățați bine obiectele utilizate pentru măsurare și care intră în contact cu apa de probă care conține reactivul (cuvă, capac, tijă de agitare) cu o perie, apă și apoi cu apă distilată, altfel echipamentul de măsurare poate deveni albastru în timp. Valorile alcalinității (M) <> 120 mg/l și valorile durității calciului <> 200 mg/l pot duce la abateri ale valorilor măsurate.

Total Hardness
Celková Tvrdost
Twardość Całkowita
Teljes Keménység
Duritate Totală

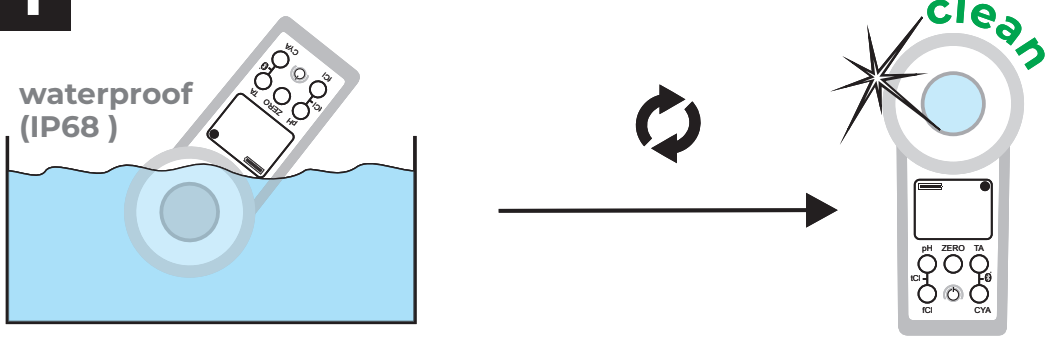
0 – 500 ppm (mg/l) $CaCO_3$

POL20TH1* | POL10TH2*

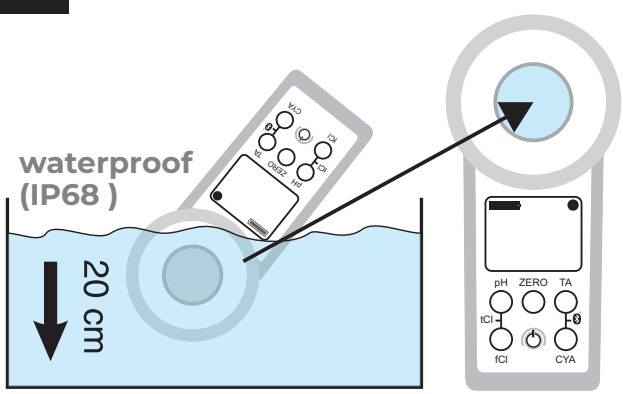
0 200 500 ➡ OR

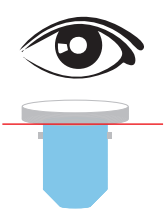
*not part of standard equipment

1

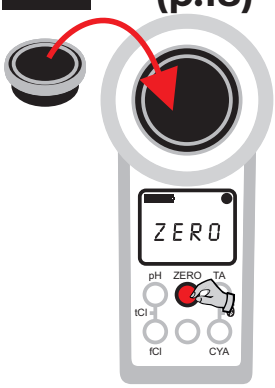


2 **Take 10 ml Water Sample**



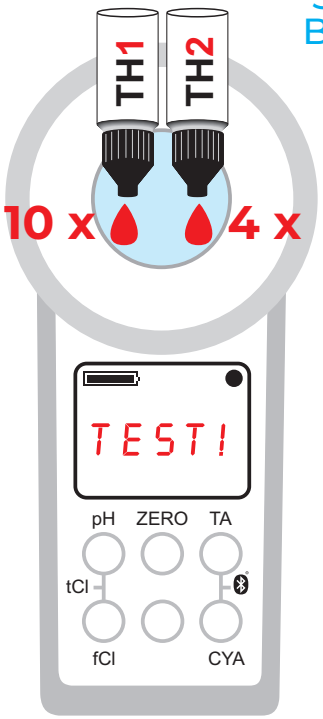


3 **ZERO! (p.18)**

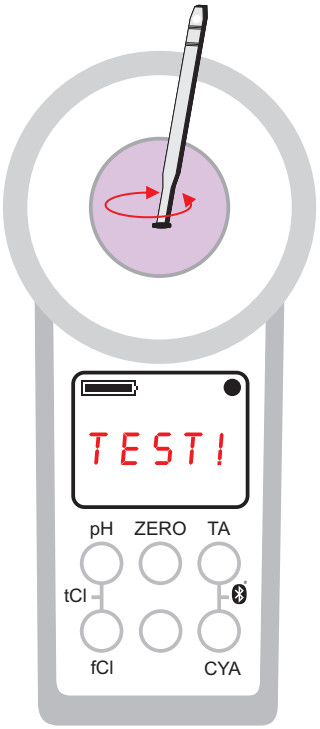


4

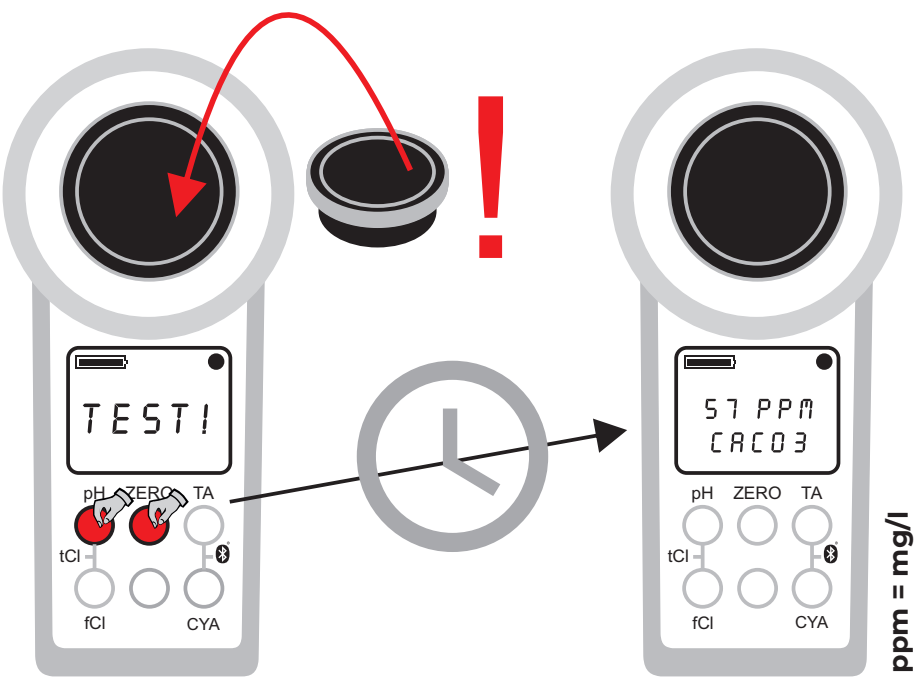
POL20TH1*
POL10TH2*
*Shake Before Use!



5



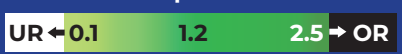
6



ppm = mg/l

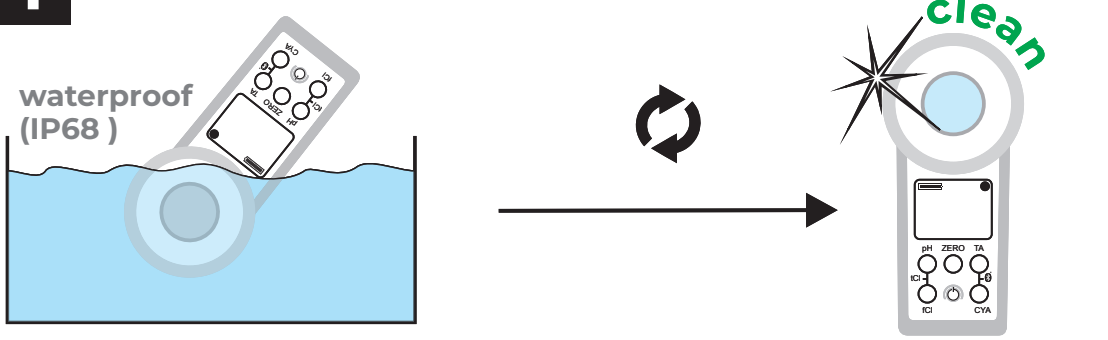
Urea
Močovina
Mocznik
Karbamid
Uree

0.1 – 2.5 ppm (mg/l)
Dechlor* | PL Urea 1* | PL Urea 2*
Ammonia N°1* | Ammonia N° 2*

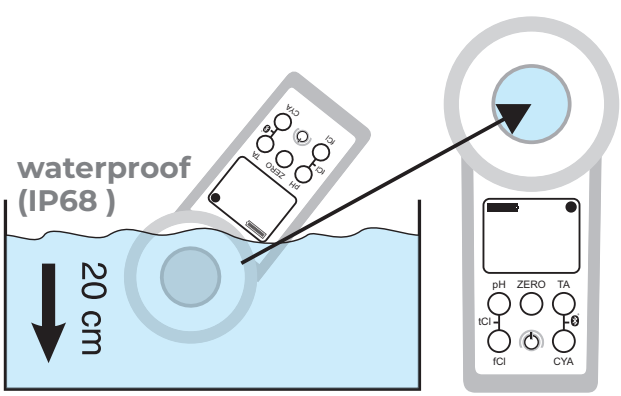


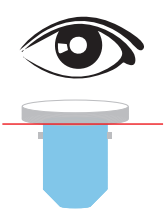
*not part of standard equipment

1

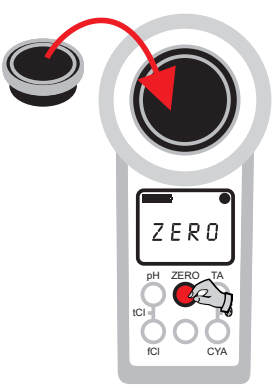


2 **Take 10 ml Water Sample**

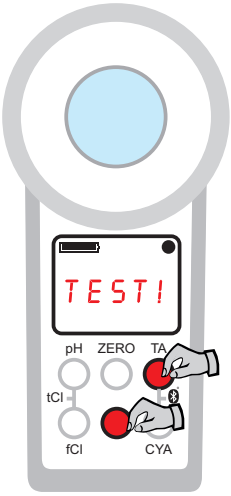




3 **ZERO!** **(p.18)**

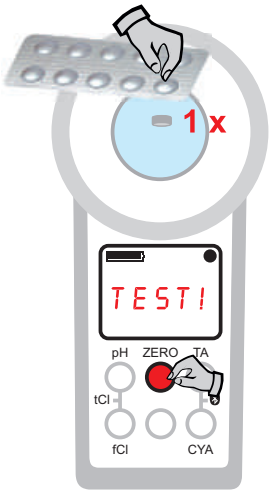


4

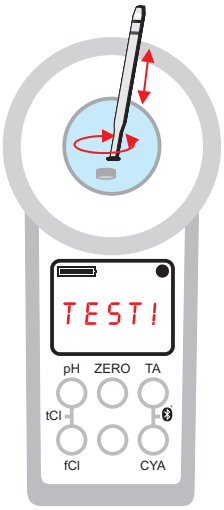


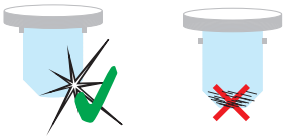
5

1 x Dechlor



6

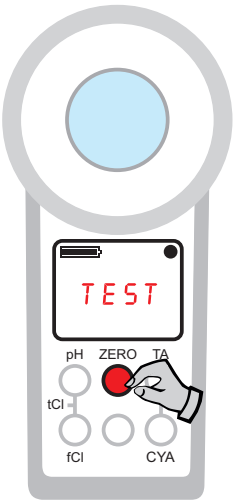




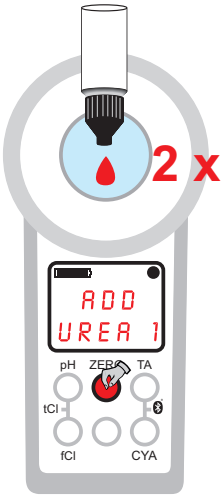
Completely Dissolved

NO Residue

7



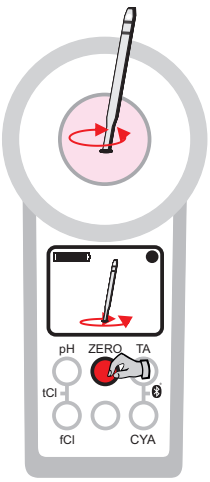
8



PL Urea 1*

*Shake Before Use!

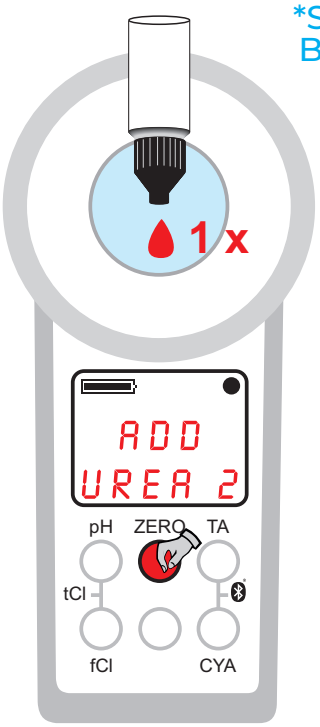
9



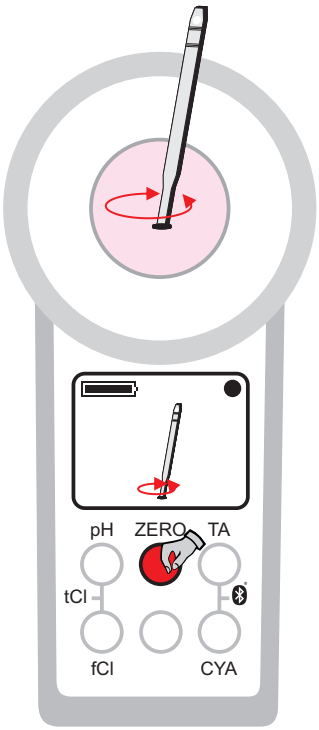
10

PL Urea 2*

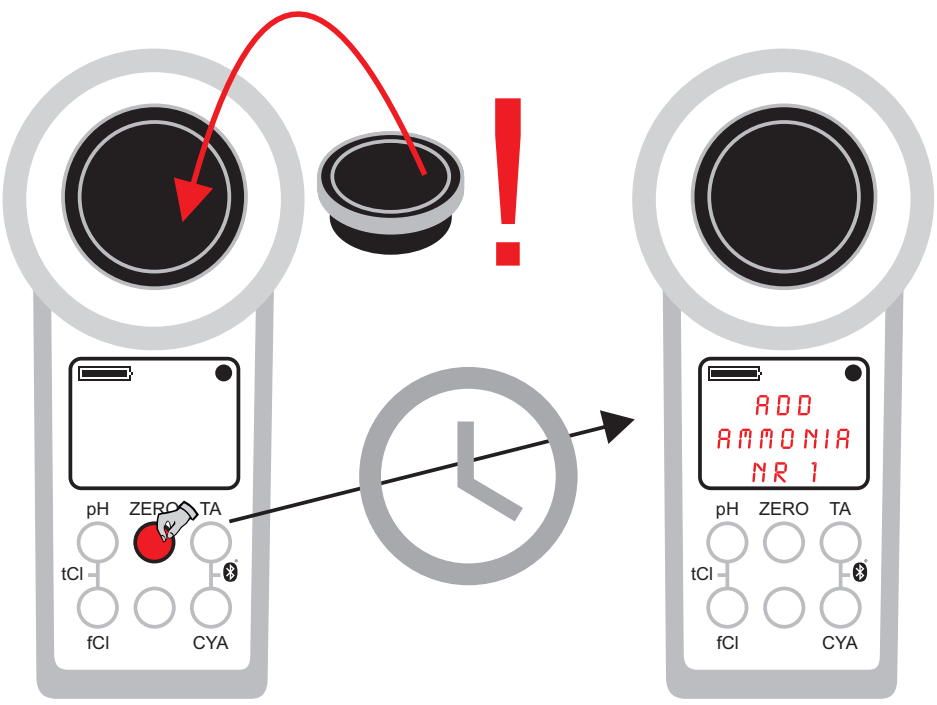
*Shake Before Use!



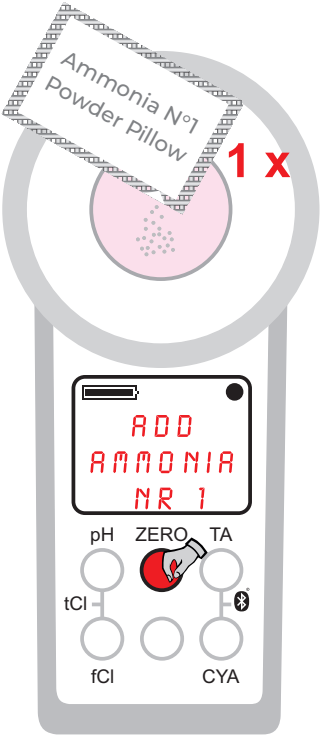
11



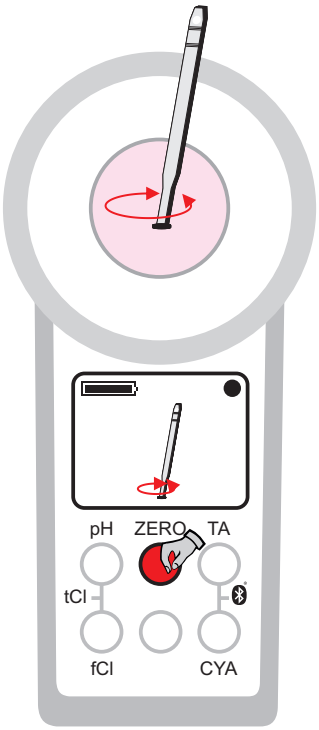
12



13 Ammonia N°1

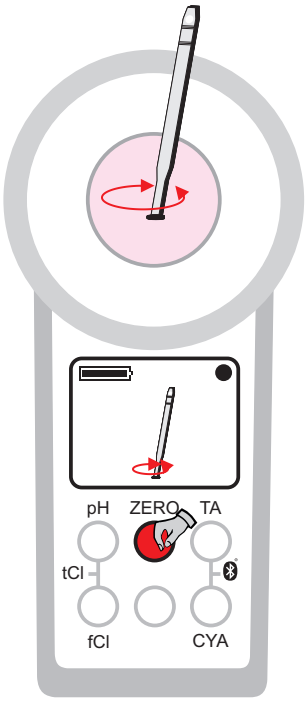


14

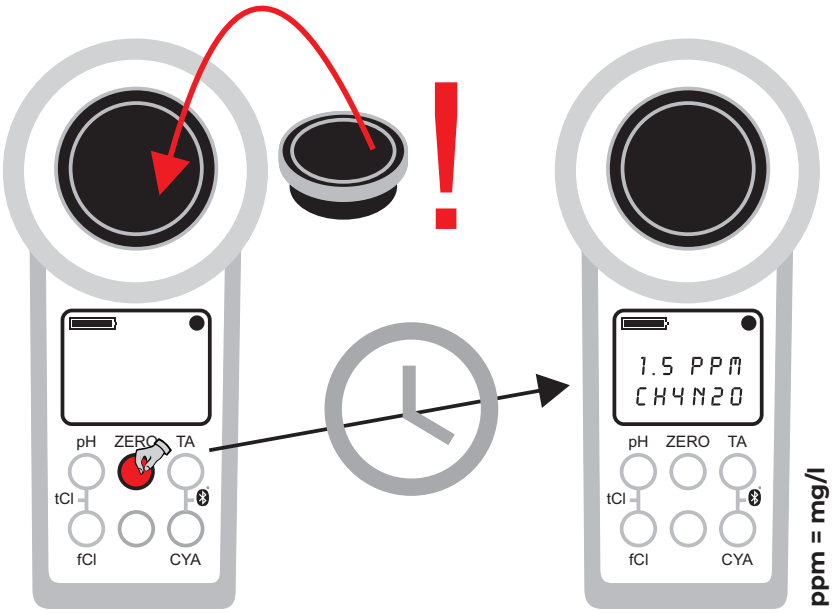


15 Ammonia N°2

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.

Pokud vzorek obsahuje volný chlor, je třeba do lahvičky před přidáním PL močoviny 1 a PL močoviny 2 přidat tabletu "Dechlor". Amoniak č. 1 se zcela rozpustí až po přidání amoniaku č. 2. Amoniak a chloraminy budou detekovány společně. Zobrazený výsledek ukáže součet obou. Teplota vzorku musí být mezi 20 °C a 30 °C. Test je třeba provést nejpozději 1 hodinu po odběru vzorku. Pokud se testuje mořská voda, je třeba vzorek před přidáním čpavku č. 1 předem upravit speciálním upravovacím práškem. Močovinu PL 1 neskladujte při teplotě nižší než 10 °C, protože by mohla granulovat. PL Močovina 2 se musí skladovat při teplotě mezi 4 °C a 8 °C.

Jeśli próbka zawiera wolny chlor, przed dodaniem PL Urea 1 i PL Urea 2 należy dodać do fiolki tabletkę "Dechlor". Amoniak nr 1 rozpuszcza się całkowicie dopiero po dodaniu Amoniaku nr 2. Amoniak i chloraminy będą wykrywane razem. Wyświetlany wynik będzie pokazywał sumę obu. Temperatura próbki powinna wynosić od 20°C do 30°C. Test należy przeprowadzić nie później niż 1 godzinę po pobraniu próbki. Jeśli badana jest woda morska, przed dodaniem Amoniaku Nr 1 próbkę należy poddać obróbce specjalnym proszkiem kondycjonującym. Nie należy przechowywać PL Urea 1 w temperaturze poniżej 10°C, ponieważ może on ulec granulacji. PL Urea 2 powinien być przechowywany w temperaturze pomiędzy 4°C a 8°C.

Ha a minta szabad klórt tartalmaz, a PL Urea 1 és PL Urea 2 hozzáadása előtt egy "Dechlor" tablettát kell az injekciós üvegbe tenni. Az Ammonia N° 1 csak az Ammonia N° 2 hozzáadása után oldódik fel teljesen. Az ammónia és a klóraminok együtt kerülnek kimutatásra. A kijelzett eredmény a kettő összegét mutatja. A minta hőmérsékletének 20°C és 30°C között kell lennie. A vizsgálatot legkésőbb 1 órával a mintavétel után kell elvégezni. Tengeri víz vizsgálata esetén a mintát speciális kondicionáló porral kell előkezelni az Ammonia N° 1 hozzáadása előtt. A PL Urea 1 ne tárolja 10°C alatt, mert granulálódhat. A PL Urea 2-t 4°C és 8°C között kell tárolni.

În cazul în care proba conține clor liber, trebuie să se adauge o tabletă "Dechlor" în flacon, înainte de a adăuga PL Uree 1 și PL Uree 2. Amoniacul nr. 1 se dizolvă în întregime numai după ce s-a adăugat Amoniacul nr. 2. Amoniacul și cloraminele vor fi detectate împreună. Rezultatul afișat va arăta suma celor două. Temperatura probei trebuie să fie între 20°C și 30°C. Testul trebuie efectuat în cel mult 1 oră de la prelevarea probei. În cazul în care se testează apa de mare, proba trebuie să fie tratată în prealabil cu un praf de condiționare special înainte de a se adăuga Amoniacul nr. 1. Nu depozitați PL Ureea 1 la temperaturi mai mici de 10°C, deoarece se poate granula. PL Ureea 2 trebuie depozitată la temperaturi cuprinse între 4°C și 8°C.

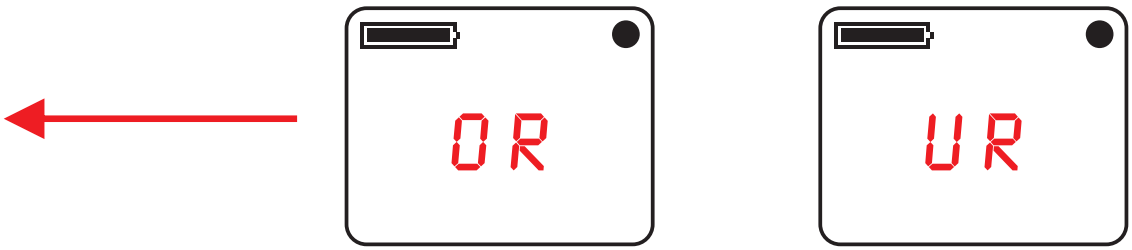
OR = Overrange / UR = underrange.
Test result is outside the range of the method. OR results can be brought into measurement range by dilution. Use syringe to take only 5ml (or 1ml) sample water plus 5ml (9ml) distilled water. Test again and multiply results times 2 (times 10). Dilution does not work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

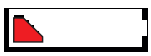
OR = Overrange (Nad rozsahem měření) / UR = Underrange (Pod rozsahem měření)
Výsledek testu je mimo rozsah metody. Výsledky OR lze do rozsahu měření dostat ředěním. Pomocí injekční stříkačky odeberte pouze 5 ml (nebo 1 ml) vzorku vody plus 5 ml (9 ml) destilované vody. Test opakujte a výsledky vynásobte 2 (krát 10). Ředění nefunguje při měření "pH".

OR = Overrange (Powyżej zakresu pomiarowego) / UR = Underrange (Poniżej zakresu pomiarowego)
Wynik badania znajduje się poza zakresem metody. Wyniki OR mogą być sprowadzone do zakresu pomiarowego poprzez rozcieńczenie. Użyj strzykawki, aby pobrać tylko 5ml (lub 1ml) wody z próbki plus 5ml (9ml) wody destylowanej. Wykonaj test ponownie i pomnóż wyniki razy 2 (razy 10). Rozcieńczenie nie działa przy pomiarze "pH".

OR = Overrange (A mérési tartomány felett) / UR = underrange (A mérési tartomány alatt).
A vizsgálati eredmény a módszer tartományán kívül esik. A VAGY eredmények hígítással a mérési tartományba hozhatók. Használjon fecskendőt, hogy csak 5 ml (vagy 1 ml) mintavizet és 5 ml (9 ml) desztillált vizet vegyen. Vizsgáljon újra, és szorozza meg az eredményeket 2-vel (10-zel). A hígítás nem működik a "pH" mérésnél.

OR = Overrange (Peste domeniul de măsurare) / UR = Underrange (Sub intervalul de măsurare)
Rezultatul testului este în afara intervalului de variație al metodei. Rezultatele OR pot fi aduse în intervalul de măsurare prin diluție. Folosiți o seringă pentru a lua doar 5ml (sau 1ml) de apă de probă plus 5ml (9ml) de apă distilată. Testați din nou și înmulțiți rezultatele cu 2 (ori 10). Diluția nu funcționează cu măsurarea "pH-ului".



BAT!: 
Change batteries | Výměna baterií | Wymień baterie | Cserélje ki az elemeket | Schimbați bateriile

Err02: (Too dark) Clean measurement chamber or dilute sample | (Příliš tmavé) Vyčistěte měřicí komoru nebo zřeďte vzorek | (Zbyt ciemne) Oczyścić komorę pomiarową lub rozcieńczyć próbkę | (Túl sötét) Tiszta mérőkamra vagy hígított minta | (Prea întunecat) Curățați camera de măsurare sau diluați proba

Err03: 
(Too bright) Don‘t forget light shield during measurement | (Příliš jasný) Nezapomeňte na světelný štít během měření | (Zbyt jasne) Nie zapomnij o osłonie świetlnej podczas pomiaru | (Túl fényes) Ne felejtse el a fényvédelmet a mérés során | (Prea luminos) Nu uitați scutul de lumină în timpul măsurătorilor

Err04: Repeat ZERO and TEST | Opakujte ZERO a TEST | Powtórzyć ZERO i TEST | Ismételje meg a ZERO és a TEST | Repetați ZERO și TEST

Err05: Ambient temperature below -5°C or above 60°C | température ambiante sous -5°C ou supérieure à 60°C | La temperatura ambiente inferior a -5°C o superior a 60°C | Umgebungstemperatur unter -5°C oder über 60°C | Temperatura ambiente inferiore a -5°C o superiori a 60°C

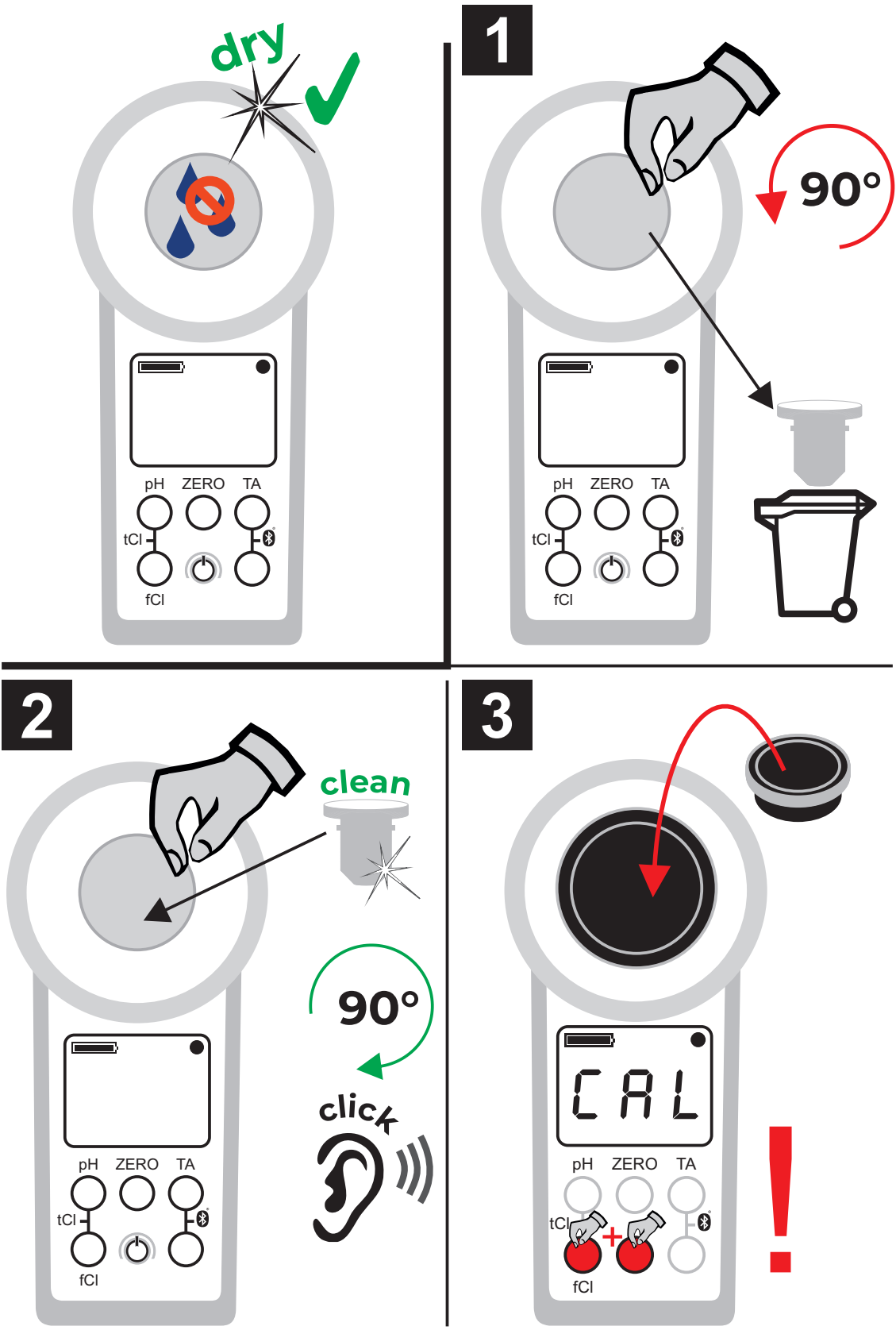
1) 01.01.1970: The date on the PoolLab 1.0® is set to 01.01.1970 when delivered, after each battery change and after each update. Please reconnect to the LabCOM® app so that the smartphone date is adopted again. **2)** Ideal values: Please contact the supplier of your pool chemistry to ask for ideal 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: Datum na PoolLab 1.0® je nastaveno na 01.01.1970 při dodání, po každé výměně baterie a po každé aktualizaci. Znovu se prosím připojte k aplikaci LabCOM®, aby bylo znovu přijato datum smartphonu. **2)** Ideální hodnoty: Kontaktujte prosím dodavatele bazénové chemie a vyžádejte si ideální hodnoty pro váš bazén. **3)** Poškrábaná kyveta: Pokud není kyveta poškrábaná v horní třetině, ale pouze ve spodní části, není nutné ji měnit. **4)** Tablety silně rozdrťte pomocí míchací tyčinky. Kyveta se nerozbije. **5)** Celkový chlor může být klidně zobrazen nižší než volný chlor v rámci tolerancí uvedených v tomto návodu. **6)** Vlhkost na displeji: Může se vyskytnout, pokud zbytková vlhkost v pouzdře zkondenzuje vlivem studené vody při ponoření.

1) 01.01.1970: Data na urządzeniu PoolLab 1.0® jest ustawiona na 01.01.1970 w momencie dostawy, po każdej wymianie baterii i po każdej aktualizacji. Proszę ponownie połączyć się z LabCOM® app, aby data smartfona została ponownie przyjęta. **2)** Wartości idealne: Prosimy o kontakt z dostawcą chemii basenowej, aby zapytać o wartości idealne dla Państwa basenu. **3)** Porysowana kuweta: Tak długo, jak kuweta nie jest porysowana w górnej trzeciej części, a jedynie w dolnej, nie musi być wymieniana. **4)** Proszę energicznie rozgnieść tabletki za pomocą mieszadła. Kuweta nie pęknie **5)** Chlor całkowity może wykazywać niższą

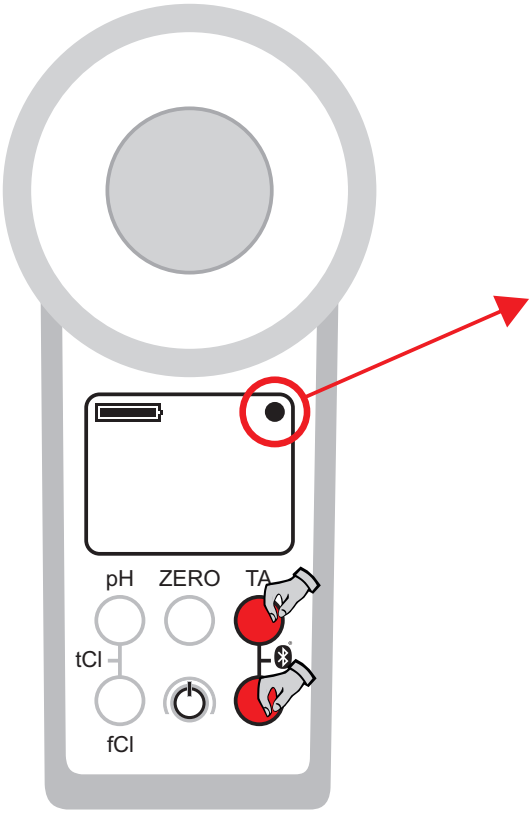
1) 01.01.1970: A PoolLab 1.0 ® dátumát szállításkor, minden egyes elemcsere és frissítés után 1970.01.01-re állítjuk. Kérjük, csatlakozzon újra a LabCOM® alkalmazáshoz, hogy az okostelefon dátumát újra átvegye. **2)** Ideális értékek: Kérjük, vegye fel a kapcsolatot a medence kémiájának szállítójával, hogy megkérdezze az ideális értékeket az Ön medencéjére vonatkozóan. **3)** Karcos küvetta: Amíg a küvetta nem a felső harmadában, hanem csak az alsó területen karcos, addig nem kell kicserélni. **4)** Kérjük, a tablettákat erőteljesen törje össze a keverőpálcával. A küvetta nem fog eltörni. **5)** Az összes klór a szabad klórnál alacsonyabb értéket is megjeleníthet a jelen útmutatóban megadott tűréshatárokon belül. **6)** A kijelzőn megjelenő páratartalom: Előfordulhat, ha a házban lévő maradék páratartalom a hideg víz miatt a merítés során kondenzálódik.

1) 01.01.1970: Data de pe PoolLab 1.0® este setată la 01.01.1970 la livrare, după fiecare schimbare de baterie și după fiecare actualizare. Vă rugăm să vă reconectați la aplicația LabCOM® pentru ca data de pe smartphone să fie adoptată din nou. **2)** Valori ideale: Vă rugăm să contactați furnizorul chimiei pentru piscină pentru a solicita valorile ideale pentru piscina dumneavoastră. **3)** Cuvă zgâriată: Atâta timp cât cuva nu este zgâriată în treimea superioară, ci doar în zona inferioară, nu trebuie schimbată. **4)** Vă rugăm să zdrobiți energic comprimatele cu ajutorul tijei de agitare. Cuveta nu se va sparge. **5)** Clorul total poate fi foarte bine afișat mai mic decât clorul liber în limitele toleranțelor indicate în aceste instrucțiuni. **6)** Umiditatea în afișaj: Poate apărea dacă umiditatea reziduală din carcasă se condensează din cauza apei reci în timpul scufundării.


dry
1
90°
pH ZERO TA
tCl
fCl
2
clean
90°
click
3
CAL
!

Reagents | Reagencie | Odczynniki | Reagensek | Reactivi	
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 | Náhradní díly | Części zamienne | Pótalkatrészek Piese de schimb	
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

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 (MPS) | Aktivní kyslík (MPS) Aktywny tlen (MPS) | Aktív oxigén (MPS) Oxigen activ (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 | Alkalita | Zasadowość Lúgosság | Alcalinitate

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 | Brom | Bróm | Bromul

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 | Tvrdost Vápníku Twardość Wapniowa | Kalcium-Keménység Duritatea Calciului	
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 | Chlor | Klór | Clor	
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 | Kyselina Kyanurová Kwas Cyjanurowy | Cianursav | Acid Cianuric	
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 | Oxid Chloričitý Dwutlenek Chloru | Klór-Dioxid Dioxid De Clor

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 | Peroxid Vodíku Nadtlenek Wodoru | Hidrogén-Peroxid Peroxid De Hidrogen – (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 | Peroxid Vodíku Nadtlenek Wodoru | Hidrogén-Peroxid Peroxid De Hidrogen – (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 | Ózon	
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 | Celková Tvrdost | Twardość Całkowita Teljes Keménység | Duritate Totală	
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 | Močovina | Mocznik | Karbamid | Uree	
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

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