

## EXACT® MICRO TESTS & REAGENTS

PARAMETER / TEST	PART #	RANGE ppm	% BEST † ACCURACY	# OF TESTS
Alkalinity, Total	486641	11 – 200	7.5	100
Bromine, Total (DPD-1)	486636	0.07 – 17.0	3	100
Chloride (as NaCl)	486757	3 – 600	5	25
Chloride (as NaCl), High Range**	486757	347 – 9975	8	25
Chlorine Dioxide (DPD-1)* **	486633	0.04 – 15	5	100
Chlorine, Free (DPD-1)***	486637	0.05 – 12.0	5	100
Chlorine, Combined (DPD-3)**	486638	0.05 – 12.0	5	100
Chlorine, Total (DPD-4)***	486670	0.05 – 12.0	5	100
Chlorine, Total High	486672	1 – 260	5	50
Chromium (Cr <sup>6</sup> )	486614	0.01 – 2.00	8	50
Copper (as Cu <sup>2+</sup> )	486632	0.06 – 11.0	2	50
Cyanuric Acid	481652-II	3 – 110	9	60
Hardness, Calcium (as CaCO <sub>3</sub> )	486629	20 – 900	5	50
Hardness, Total High (as CaCO <sub>3</sub> )	486656	60 – 600	12	50
Hardness, Total Low (as CaCO <sub>3</sub> )	486630	1 – 80	15	100
Hydrogen Peroxide	486648	1 – 130	5	50
Hydrogen Peroxide High (DPD-4)	486676	16 – 4200	8	100
Hydrogen Peroxide Low	486616	0.02 – 3.50	7	50
Iodine (DPD-1)	486627	0.08 – 21.0	4	100
Iron, Total (TPTZ)**	486650	0.03 - 8.00	8	50
Manganese (as Mn <sup>2+</sup> )	486606	0.03 - 2.60	6	24
Metals <sup>2</sup>	486604	0.00 - 1.75	6	25
Molybdate**	486653	0.02 - 5.00	10	50
Nitrate (as NO <sub>3</sub> )	486655	0.25 - 32.0	6	50
Nitrite (as NO <sub>2</sub> )	486623	0.02 - 4.00	3	50
Ozone (DPD-4)	486634	0.01 - 2.00	10	100
Peracetic Acid (DPD-4)	486674	0.05 - 11.0	4	100
Permanganate (DPD-1)	486626	0.02 - 6.00	5	100
pH	486639-II	6.0 - 8.5 pH	0.2 pH	100
pH, Acid	486624	4.5 - 6.2 pH	0.3 pH	50
pH, Alkali	486609	7.5 - 10.0 pH	0.3 pH	50
Phosphate (as PO <sub>4</sub> )	486814	0.02 - 5	8	50
Sodium Bromide, Total (as NaBr)	486659	19 - 400	5	25
Sulfate (as SO <sub>4</sub> )	486608	1 - 270	5	50
Sulfide (as S <sup>2-</sup> )**	486818	0.11 - 5.30	12	50
Turbidity**	N/A	24-780 NTU	N/A	N/A

†Value provided represents best possible accuracy under laboratory conditions, but may vary throughout the detection range. For a complete list of accuracies throughout all ranges, please visit [sensafe.com/dip](http://sensafe.com/dip).

\*\*Combined Chlorine DPD-3 Test requires Free Chlorine DPD-1 (486637) to be run first. For resellers and distributors - products sold in case quantities (12 units per case).

\*\*\*Test uses a non-standard test method. Visit [sensafe.com/dip](http://sensafe.com/dip) for details.

\*\*\*Requires the use of 2 strips if reading is above 6 ppm.

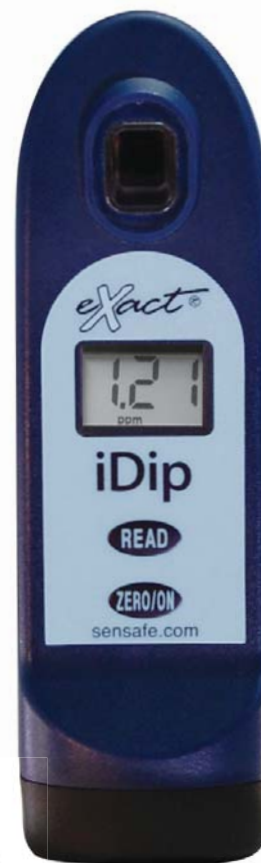
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**SENSAFE** **ITSSENSAFE**

SMART PHOTOMETER SYSTEM
   
 with **Bluetooth**
  
 SMART

**TEST YOUR WATER**



**SMART DIGITAL™**
  
**WATER TESTING**
  
**QUICK START GUIDE**

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**DRY CASE FOR PHONE OR TABLET**

Features a waterproof vacuum seal for your smartphone/tablet. Each case comes with a neoprene armband and lanyard making it easy to use with your eXact iDip®.

Dry Case for phone:  
8.5" x 4.5" x .5"

Dry Case for tablet:  
13" x 9" x .5"



ITEM	INCLUDES	PART NO.
Dry Case Waterproof case for phones	Case, pump, neoprene armband, and lanyard	486150
Dry Case Waterproof case for tablets	Case and pump	486151

**TIP**

Store all your necessary reagents together with your eXact iDip® in our convenient carrying case!

**CARRYING CASE FOR EXACT IDIP®**

Made of sturdy material lined with foam, the carrying case offers storage for one eXact iDip® smart photometer and 7 eXact® Micro reagents.



ITEM	INCLUDES	PART NO.
Standard Carrying case	Blue carrying case with foam inserts (holds up to 6 strip bottles and 1 reagent)	486111
XL Carrying case	Black carrying case with foam inserts (holds up to 12 strip bottles and 2 reagent bottles)	486001

**EASY REFILL BOX**

Contains refill bottles of each test for quick ordering (varies for each).



KIT	CONTAINS	PART NO.
Pool Water Reagent Refill Box	Total Alkalinity, pH, Cyanuric Acid, Free Chlorine (DPD-1), Combined Chlorine (DPD-3), and Calcium	486211
Well Water Reagent Refill Box	Iron, Nitrate, High Range Total Hardness, Total Alkalinity, and pH	486212
Tap Water Reagent Refill Box	pH, Total Alkalinity, High Range Total Hardness, Free Chlorine (DPD-1), Total Chlorine (DPD-4), High Range Chlorine, and Metals	486213
Process Water Reagent Refill Box	pH, Free Chlorine (DPD-1), Total Chlorine (DPD-4), High Range Chlorine, Hydrogen Peroxide, and Glycine (used with DPD-1 for Chlorine Dioxide)	486214

**TIP**

Order on-line at [sensesafe.com](http://sensesafe.com) or call one of our helpful customer service representatives at (800) 861-9712

**STARTER KITS**

Each kit contains:

- Carrying case
- Cleaning brush
- User manual
- 25 of each eXact® Micro reagents (reagents vary for each kit).



Starter kits can be ordered with or without one (1) eXact iDip Photometer.

KIT	CONTAINS	WITHOUT IDIP	WITH IDIP
Pool Starter Kit	Total Alkalinity, pH, Cyanuric Acid, Free Chlorine (DPD-1), Combined Chlorine (DPD-3), and Calcium	486101-KP	486101-KP-K
Well Driller Starter Kit	Iron, Nitrate, High Range Total Hardness, Total Alkalinity, and pH	486101-WD	486101-WD-K
Process Water Starter Kit	pH, Free Chlorine (DPD-1), Total Chlorine (DPD-4), High Range Chlorine, Hydrogen Peroxide, and Glycine (used with DPD-1 for Chlorine Dioxide)	486101-PW	486101-PW-K
Tap Water Starter Kit	pH, Total Alkalinity, High Range Total Hardness, Free Chlorine (DPD-1), Total Chlorine (DPD-4), High Range Chlorine, and Metals	486101-TW	486101-TW-K

**WELCOME TO YOUR NEW EXACT IDIP® SMART PHOTOMETER.**

Thank you for your eXact iDip® purchase! This guide will quickly walk you through the technical details on your new eXact iDip®. From initial set-up, downloading the app, test procedures, and tips, you will soon be on your way to smart digital water testing!

**YOUR EXACT IDIP® COMES WITH:**

- Cleaning Brush
- Quick Start Guide (this booklet)
- 24 foil packet strips (6 of each): Free Chlorine (DPD-1), Combined/Total Chlorine (DPD-3), pH, and Total Alkalinity

*Note:* The iDip Starter Kits will include eXact® Strip/Reagent bottles with 25 tests each (reagents vary with each kit) and not individual foil packets listed above.

**WHAT YOU WILL NEED TO GET STARTED:**

- Four (4) AAA batteries
- #4 Phillips head screwdriver
- eXact iDip app

Visit [sensesafe.com](http://sensesafe.com) to download the app or see page 5 for app download instructions

- Compatible smart device

For a list of compatible smart devices, see page 6-7.

We are constantly adding new devices, so be sure to view the most up-to-date list at [sensesafe.com/compatible-devices](http://sensesafe.com/compatible-devices).

**THE EXACT IDIP® SMART PHOTOMETER SYSTEM**

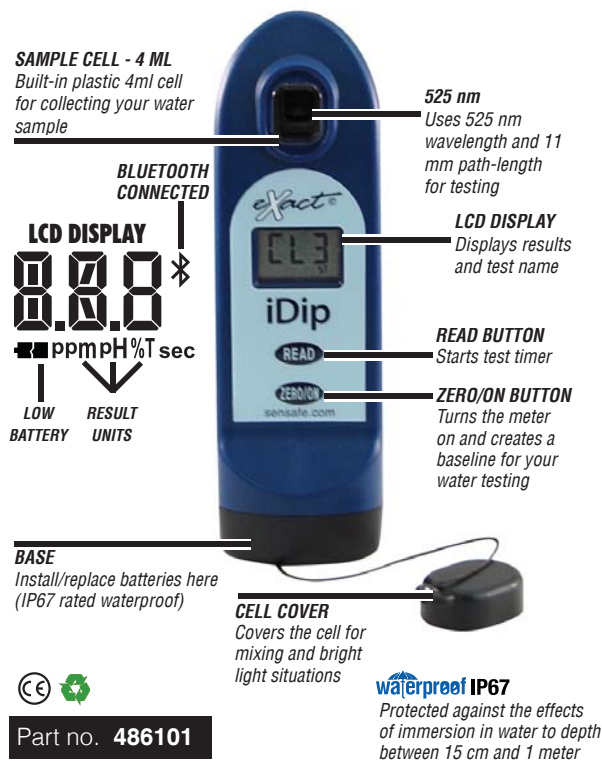
Using eXact® Micro reagents in combination with the app and photometer make up the eXact iDip® Smart Photometer System. Each test will require the use of one or more of the testing methods outlined in this manual.

This system's unique and innovative technology have earned the eXact iDip® US and international patents (US Patents #7,333,194 and #7,491,546, Euro Pat No. 1 725 864 DE FR UK South African PATENT #2007/0628), and is US and International Patents pending for the communication technology between a photometer and a smart device

*Note:* This system has been calibrated, at the time of manufacturing, for use with only our eXact® Micro reagents.

## 4 IDIP® SMART PHOTOMETER OVERVIEW

**YOUR NEW EXACT IDIP® SMART PHOTOMETER IS IDEAL FOR TESTING DRINKING WATER, POOLS, SPAS, PONDS, AQUARIUMS, FOOD PROCESS WATER, ENVIRONMENTAL WATERS, AND MORE!**



### INSTALL "AAA" BATTERIES (NOT INCLUDED)

1. Use a #4 Phillips head screwdriver to remove the screw from the base of your iDip®.
2. Remove the base.
3. Install Four (4) new AAA batteries as illustrated inside your iDip's battery compartment. We recommend using high quality batteries.
4. Replace the base firmly with pressure while tightening the screw. The meter will turn on automatically.
5. Tighten the screw with #4 Phillips head screwdriver. Be sure not to over tighten.



## ABOUT

### EXACT IDIP® ACCURACY

Combined with your smart device, the eXact iDip® Smart Photometer is designed to test your water for multiple water quality parameters. Download the free eXact iDip® app and sync to your smart device running Bluetooth® SMART Technology.

All tests have been calibrated using certified reference standards and analytical spectrophotometric methods. The algorithms in the app reflect the best correlation of the eXact iDip® against the AWWA, USEPA, DIN and ISO reference test methods. The eXact iDip® has been factory calibrated and will stay valid because of its exceptional quality. We are so confident in the eXact iDip®, we offer an industry leading 2-year warranty.

We built the eXact iDip® to be easy, accurate and environmentally friendly. We have achieved this by utilizing our patented eXact® Strip Micro Technology, which uses at least 60% less water and chemistry than alternative methods. Instead of using a 10mL water sample, eXact® Strip Micro uses a 4mL water sample. The accuracy of the meter is maintained by designing the sample cell with an 11mm path length.

### METHOD VERIFICATION **ReadySnap®**

Ready Snap® is a method verification solution with predetermined values to verify the accuracy of any manufacturers tests to include our eXact iDip® smart photometer.

The easy 3 step procedure (snap, fill, and test) allows for quick verification of test parameters. Each box contains 10 ampoules of 10mL solution with no dilution necessary.



READY SNAP®	METHOD VERIFICATION TEST FOR	PART NO.
Ready Snap® 1P (plastic ampoules)	Total Alkalinity, pH, Calcium Hardness, Copper, Cyanuric Acid, and Phosphate.	480911
Ready Snap® 2	Ammonia, Arsenic, Iron, and Manganese	480902
Ready Snap® 3	Red dye for verifying 525nm eXact® Photometer calibration	480903

EXACT IDIP® ASSIGNED VALUE FOR READY SNAP® 3		
READY SNAP® 3	FREE CHLORINE DESIRED VALUE	FREE CHLORINE ACCEPTABLE RANGE
Red dye # 505	1.5 ppm	1.46 – 1.57

*Note: Values indicated are specific to eXact iDip® readings and current concentrations as found at time of manufacture.*

### COMPLIANCE TESTING



This DPD test system for Chlorine and Chlorine Dioxide are accepted for reporting by most health departments because the tests are USEPA (DIN Standard 38 408 G4/ G5, ISO 7393/2) accepted for testing requirements for Free Chlorine, Total Chlorine, and Chlorine Dioxide.

The compliance requirement is a photometer wavelength to measure between 490 and 530nm. The eXact iDip® smart photometer uses a 525nm wavelength and 11 mm path-length. The eXact® Strip Micro CL/Cd (DPD-1) use the same reagents and proportions, and the resulting solution pH is maintained between 6.2 and 6.5 as specified by AWWA method 4500-Cl G/ClO<sub>2</sub>-D. The USEPA does not “approve” commercial DPD delivery systems. The eXact® Strip Micro CL (DPD-1) for **Free Chlorine**, and the eXact® Strip Micro CL (DPD-3) for **Combined Chlorine**, the eXact® Strip Micro CL (DPD-4) for **Total Chlorine**, and the eXact® Strip Micro Cd (DPD-1) for **Chlorine Dioxide** meet your reportable testing requirements because the eXact® Strip Micro strips deliver the same chemicals in identical proportions. The eXact® Strip Micro **Chromium** is compliant because it uses the same wavelength and delivers the same chemicals in the same proportions as AWWA method 3500-Cr B.

COMPONENT (FREE CHLORINE)	AWWA 4500-CL G	EXACT® DPD-1
Anhydrous DPD sulfate	1.5%	1.5%
Anhydrous Na <sub>2</sub> HPO <sub>4</sub>	33.4%	33.4%
Anhydrous KH <sub>2</sub> PO <sub>4</sub> Na <sub>2</sub>	64.0%	64.0%
EDTA	1.1%	1.1%

### WINNER OF THE 2014 R&D100 AWARD



The eXact iDip® Photometer is a winner of the prestigious R&D100 award. Each year a panel comprised of industry experts and R&D Magazine editors evaluate and judge hundreds of entries. The 52<sup>nd</sup> R&D100 Awards, recognized as the “Oscars of Invention,” identify and celebrate the top 100 most revolutionary technology products of the previous year. This year, R&D 100 has selected the eXact iDip® Smart Photometer System as a recipient of the esteemed Award. Compliance with the EPA, ISO, and DIN testing specifications of the eXact iDip® attests to the meter’s quality, reliability, and accuracy.

**EXACT IDIP® ALSO FEATURED IN** MarketWatch

### DOWNLOAD THE APP

Using your Smart Device, download the eXact iDip® app. Because the eXact iDip® application is the brain for this system, download the latest update to ensure you are using the most current version with up-to-date tests and features. To see if your smart device is compatible, please see our compatible smart device table on page 6 and 7 of this manual.

We are constantly improving the eXact iDip® app and welcome your suggestions to help make our product even better. Visit [www.sensafe.com/idip](http://www.sensafe.com/idip) or e-mail your feedback to [exactidip@sensafe.com](mailto:exactidip@sensafe.com).



#### APP STORE DOWNLOAD



#### GOOGLE PLAY DOWNLOAD



*Note:* If using an Apple iPad, ensure you select ‘iPhone only app’ when searching from the App Store or scan the above QR code.

### DOWNLOAD ADDITIONAL TESTS

The app will come installed with tests for Total Alkalinity, Free Chlorine, Combined/Total Chlorine, and pH. Ensure you have any additional tests you need by visiting the Store in the eXact iDip® app.

Step-by-step instructions on using the Store function of the app can be found on page 11.



To view an instructional video, please visit [sensafe.com/idip](http://sensafe.com/idip).

## SMART PHONE COMPATIBILITY

APPLE	SAMSUNG	MOTOROLA DROID	MOTOROLA	HTC
iPhone 6 Plus	Galaxy Ace Style	Mini	Moto E	Desire 516
iPhone 6	Galaxy Core	Ultra	Moto G	Desire 610
iPhone 5s	Galaxy Core Advance	Maxx	Moto X	Desire 816
iPhone 5c	Galaxy Core Lite	Razr HD		Droid DNA
iPhone 5	Galaxy Grand 2	Razr HD Maxx		EVO 4G LTE
iPhone 4s	Galaxy J	Razr M		One (E8)
iPod touch (5th)	Galaxy Mega			One (M7)
	Galaxy Rugby Pro			One (M8)
	Galaxy S3			One Max
	Galaxy S3 Mini			One Mini
	Galaxy S3 Neo			One Mini 2
	Galaxy S3 Slim			
	Galaxy S4			
	Galaxy S4 Active			
	Galaxy S4 Mini			
	Galaxy S5			
	Galaxy S5 Active			
	Galaxy S5 Sport			

## TABLET COMPATIBILITY

APPLE	SAMSUNG	MOTOROLA DROID	MOTOROLA	HTC
iPad Air 2	Galaxy Note 10.1			
iPad Air	Galaxy Note 3 Neo			
iPad (4th)	Galaxy Note II			
iPad (3rd)	Galaxy Note III			
iPad Mini 3	Galaxy Note Pro			
iPad Mini Retina	Galaxy Tab 4			
iPad Mini	Galaxy Tab Pro			

This list is current as of October, 2014. To view the most up-to-date list of compatible devices, please visit [sensafe.com/compatible-devices](http://sensafe.com/compatible-devices).

## VIEW INSTRUCTIONAL VIDEO



## BLUETOOTH® SMART TECHNOLOGY

Bluetooth® SMART is a low-power networking standard which uses short radio waves to allow electronic devices to communicate with each other wirelessly. The eXact iDip® comes standard with the latest Bluetooth® 4.0 technology ([www.bluetooth.com/Pages/Bluetooth-Smart.aspx](http://www.bluetooth.com/Pages/Bluetooth-Smart.aspx)), a class 2 device with a wireless working distance of up to 30 feet (10 meters) and a 2.1 Mbps data transfer rate. This allows a seamless transfer of data between a smart device and the eXact iDip®.

## BUILT IN SAMPLE CELL

The built-in sample cell is made of transparent plastic; the sturdy cell design will last for over 20,000 readings. Our studies have shown that scratches on the cell will not compromise the accuracy of your results because of the cell's fixed position.

## MAKING CALLS

The eXact iDip® not intended for use while talking on your smart phone. Talking during testing may cause the app to shutdown.

## WARRANTY (2 YEARS)

Registration of your eXact® photometer must be received within 30 days from date of purchase to activate the warranty. The eXact® photometer is warranted to be free from defects in materials and workmanship for a period of two (2) years from the date of purchase by the customer. ITS will repair or replace, at its discretion, product which is deemed to be faulty due to manufacturing defect. Warranty does not cover product damage caused by abuse (such as crushing a tablet in the cell), battery corrosion damage, or improper use. If the meter is faulty or otherwise defective contact ITS by phone (+1-803-329-9712 Ext. 0) or email ([its@sensafe.com](mailto:its@sensafe.com)) to describe the problem and obtain a return authorization form before returning the photometer to ITS. Damage caused by improper packing of the photometer for return shipment to ITS will not be covered by the warranty. Customer is responsible for shipping charges to ITS. ITS pays postage when photometer is returned to customer. A maximum processing fee of \$75 will be charged for repair or replacement of non-registered photometers and damages not covered by this warranty. Registration is available over the phone (+1-803-329-9712 Ext. 0) or online at [www.sensafe.com/micro/warranty/](http://www.sensafe.com/micro/warranty/) (Personal data is kept confidential). The repair or replacement of the photometer will not extend or renew the period of guarantee. This warranty does not affect your statutory rights. The warranty is not transferable.

Listed below are possible situations that may arise while testing. Please contact one of our knowledgeable customer service representatives if you require further assistance.

Subject	Cause	Solution
No response from iDip®	Low battery	Replace batteries
	Chip failure	Contact ITS
Dim screen on iDip®	Low battery	Replace batteries
"Er1" on iDip® LCD	No result sent to iDip® from app	Close & restart app. Reconnect to iDip®
"Er2" on iDip® LCD	No connection to app	Connect iDip®
	Lost connection to app	Reconnect to iDip®
"LO" on iDip® LCD while zeroing	Low battery	Replace batteries
	Dirty cell	Clean cell
	Cloudy sample	Dilute sample or use sieve
	Bad LED	Contact ITS
"HI" on iDip® LCD while reading	Result above detection level	Rerun test to verify result
"LO" on iDip® LCD while reading	Result below detection level	Rerun test to verify result
"AbS" on iDip® LCD	Start-up screen	Continue with testing
App not responding	Communication error between device and app	Force close app and restart
Bluetooth® connection lost	iDip® submerged too far in water	Collect water sample in container and transfer to cell or use Dry Case while testing

### TECHNICAL SUPPORT

Please visit [www.sensafe.com/idip](http://www.sensafe.com/idip) for the latest technical information and how-to-videos. For additional technical support, call (803) 329-9712 or email at [exactidip@sensafe.com](mailto:exactidip@sensafe.com).

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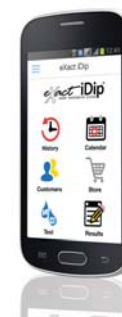
Updated 10/21/14  
For updated list visit [www.sensafe.com/idip](http://www.sensafe.com/idip)

LG	SONY	GOOGLE	PANTECH	HUAWEI
F70	Xperia AX	Nexus 5	Vega Secret Up	Ascend P7 (Sophia)
G Flex	Xperia E1	Nexus 4	Vega LTE-A	Ascend G6
G Pro2	Xperia M		Vega Iron 2	Honor 6
G2	Xperia M2		Vega Secret Note	Honor 3C
G2 Mini	Xperia SP			Honor 3X
G3	Xperia T			
Optimus Exceed 2	Xperia T2 Ultra			
Optimus Fuel	Xperia TX			
Optimus G	Xperia V			
Optimus G Pro	Xperia VL			
Optimus L35	Xperia Z			
Optimus L40	Xperia Z ULTRA			
Optimus L65	Xperia Z1			
Optimus L70	Xperia Z1 Compact			
Optimus L80	Xperia Z1F			
Optimus L90	Xperia Z1S			
Optimus Zone 2	Xperia ZL			
Volt	Xperia ZR			
Vu 3.0				

LG	SONY	GOOGLE	PANTECH	HUAWEI
G Pad	Xperia Tablet Z	Nexus 7 (2013)		
	Xperia Tablet Z2			

The eXact iDip® photometer requires the use of a smart device with Bluetooth® 4.0 and Android 4.3 or greater. Please contact us if you do not see your device listed.

### VIEW EXACT IDIP COMMERCIAL

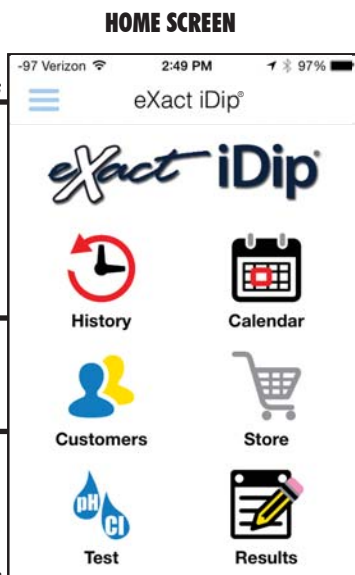


Sensafe.com

**MENU:**  
Opens  
slide-out for  
easy access to  
all app features

**HISTORY:**  
Accesses  
saved results  
which can be  
sorted, edited,  
and emailed.  
Also accesses  
History Map

**CUSTOMERS:**  
Attaches  
results to  
people and/or  
locations from  
your smart  
device contacts



**CALENDAR:**  
Displays your  
schedule/  
appointments

**STORE:**  
Opens store  
to unlock  
additional tests

**TEST:**  
Initiates water  
testing

**RESULTS:**  
Accesses temporary  
results that have  
not been saved to  
history

**BLUETOOTH  
DEVICE**

### TEST RESULT SCREEN

iDip B00007v69.02

**TESTING  
PARAMETER**

Alkalinity, Total AL

**TEST  
ABBREVIATION**

**PARAMETER  
UNIT OF MEASURE**

Scroll unit of measure values.  
Some tests offer results in  
multiple units of measure.

81  
ppm

**TEST RESULT**

**DOTS INDICATE  
MULTIPLE UNITS OF MEASURE**  
(Available for some tests)

The meter has a default 3 minute automatic shutoff timer. You can change the duration in the 'Settings' menu located within the eXact iDip® app.

Always fill the cell to capacity (4mL).

Test immediately after filling the cell with the water sample.

When testing pH, it is recommended to run the pH test prior to running Chlorine. If you choose to run the pH after Chlorine, ensure you thoroughly clean the cell with water and the brush provided.

To obtain optimal accuracy when testing outdoors (sunlight), use the Cell Cover when zeroing and reading the sample.

Due to the strip slitting process, you may find one or two strips that are noticeably smaller or larger in width than the normal strips in the bottle. These should be discarded. Using these strips may give unreliable results.

Meter is not compatible for use with powder pillows, tablets, and liquids from other manufacturers.

Dip strip for entire countdown.

Each eXact® Strip Micro is valid for ONLY one test. Discard strip after use.

Dry the outside of the meter before storage.

Remove batteries before storing for prolonged periods.

Store the meter and test materials out of direct sunlight and away from chemical storage areas.

Minimize exposure of meter and test reagents to heat above 90°F (32°C).

When installing batteries, make sure that the O-ring is still attached to the screw before tightening.

The eXact iDip® is paired to your smart device inside of the iDip® app, not in the device settings.

All results must be saved from the results page to history for it to permanently save to your smart device.

The eXact iDip® may experience Bluetooth® disconnection when submerged in water too deep. To avoid this, collect water sample in a small container/cup and pour or pipette (contact us for ordering) the water into the Sample Cell.

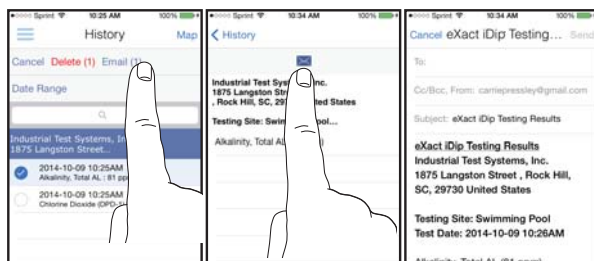
To ensure lab quality results, it is recommended to clean the cell with the brush provided after every test.

Cleaning the cell with water and brush after each test and prior to storage of unit is recommended. Use Distilled White Vinegar to clean the cell after testing for Phosphate or Iron to remove reagent deposits from the cell wall.



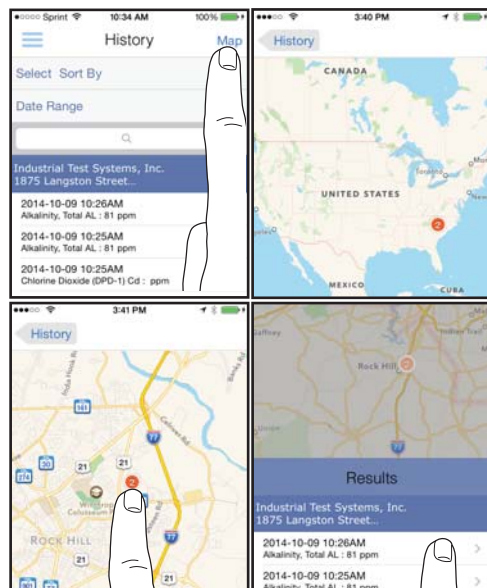
### SEND/SHARE VIA EMAIL

Press the blue envelope icon if you tapped an individual result. Select **'Email'** at the top if multiple tests are selected. Add recipients and compose your e-mail, tap send to complete.



### SEND/SHARE WITH HISTORY MAP

Tap **'Map'** on History page to access History Map. Double-tap or spread fingers to zoom. Tap on a pin to see results. Tap on a result to bring up the details page.



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### MENU

The **Menu slide-out** is available from any screen within the app. The **Menu** allows you to access any of the app's features with ease.



### HOW TO CHANGE THE TIMEOUT DURATION

The timeout setting is used to turn off the eXact iDip® photometer. The default setting is 3 minutes, however you can change the duration of timeout. To do this begin by selecting **'Settings'** in the **Menu slide-out** and select either **'+'** or **'-'**.

*Note: You may need to change your auto screen lock time on your smart device to allow for testing time (instructions will vary for phone or tablet make/model)*

### HOW TO VIEW YOUR GPS LOCATION

In the **Settings** screen you can view your current GPS coordinates and/or refresh your current location coordinates.

### ABOUT

Access the End-User License Agreement and contact information to reach our offices in the USA and Europe from the **About** section located in the **Menu** slide-out.

Located in the **About** section you can find which version of the app you are running. Be sure to check for updates and install the latest version before running a test as we are constantly updating and adding more features to the app!

### TEST

You can utilize two different testing methods under **Test**; Manual Entry or Bluetooth Device.



### BLUETOOTH TEST

Tests will be performed with your eXact iDip® Smart Photometer using the **STANDARD STRIP METHOD**, **STANDARD LIQUID METHOD**, or **NON-STANDARD METHOD** test procedure (page 18–19).

### MANUAL TEST

This feature allows you to utilize other testing methods and manually enter your results into the app. Begin by selecting **'Test'**, **'Manual entry'**, then **'Change value'** to enter.

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## HISTORY

The **History** stores all your saved test result information and allows you to sort by date, customer name, or test type.



### HOW TO SORT BY CUSTOMER

To sort by **Customer** begin by clicking **History**, then **Sort by**, **Customer**. You can then scroll through your list of customers, by name, to find a specific test result.

### HOW TO SORT BY DATE RANGE

To sort by **Date** begin by clicking **History** then **Sort by**, **Date**. You can then scroll through a list of tests performed by date. You can also set a specific date range period by selecting **Date range**. Then set your **From** and **To** date ranges.

### HOW TO SORT BY TESTS

To sort by **Test** begin by clicking **History** then **Sort by**, **Test**. You can then scroll through a list of tests sorted in alphabetical order.

### HOW TO ACCESS HISTORY MAP

The History Map stores GPS locations of testing sites. See page 20 for instructions on how to utilize this feature.

## CUSTOMERS

**Customers** attaches results to people and/or locations in your smart device. In order to fully utilize the features and capabilities of the app, each test result will need to be stored (linked) to a profile. You can add customers two ways. **1.** By adding from your existing contact list on your smartphone/tablet or **2.** You can create a new contact.



### HOW TO ADD EXISTING CONTACTS

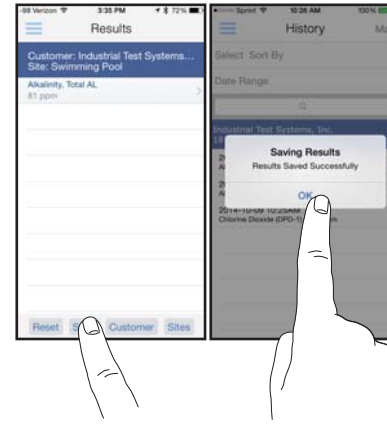
To add current contact information already stored on your device, begin by selecting **Customers** then **Add customers from contacts**.

### HOW TO CREATE A NEW CONTACT

To add a new customer's contact information, select **Customers** then the **+** enter all of the customer's contact information. Once finished select **Done**.

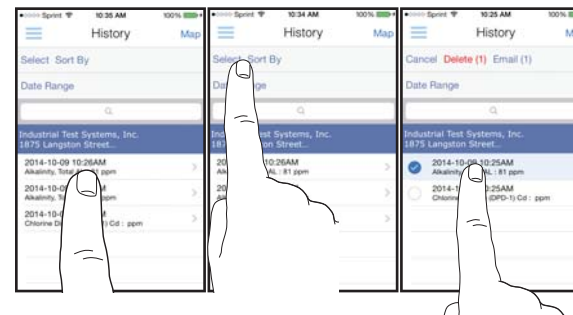
## SAVE TO RESULTS

In **Results** screen tap **Save** to store into **History**. A **Saving Results** screen appears, tap **OK**. Your result is now successfully saved.



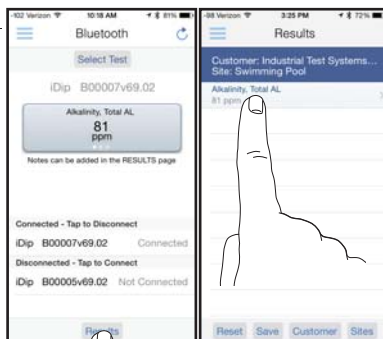
## SEND/SHARE VIA EMAIL

In History, you can edit, select, and email your results. To email, you can either tap an individual result displayed, or use the **Select** button to access multiple data points.



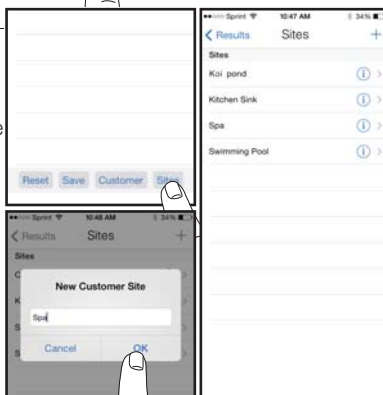
**SAVE**

After tests have been performed, tap **Results** at the bottom of the screen.

**ADD SITES**

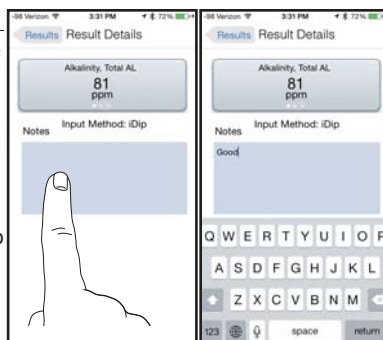
Each result can be saved to a customer's **Site**. Swimming pool is the default. Select a site from the list or to add additional sites, tap **Sites**, then **+**.

Enter a **Site** name, tap **OK**.

**ADD NOTES**

To add notes tap the desired test result.

Type notes in the **Notes** box, which are automatically saved. Press **Results** to return to the results menu.

**CALENDAR**

Never miss an appointment! With the app's **Calendar** feature, you can access your device's calendar straight from the app. View by date range to see past entries or future appointments.

**TIP**

If no entries are visible in the app, you may need to allow the app to access your calendar. You can do this in the settings and security section of your smartphone/tablet (instructions for each will vary for make/model).

**STORE**

The app comes installed with tests for Total Alkalinity, Free Chlorine, Combined Chlorine, and pH. You can purchase and unlock over 30 additional tests from the **Store** located in the app (eXact® Strips/reagents not included).

To purchase additional tests, begin by selecting **Store**, scroll to the test you would like to purchase and click **Buy** (this will unlock the test in the app). To order eXact® Strips/reagents, contact your local supplier or order on-line (see page 28 for a list of available reagents).

**RESULTS**

You can view previous tests details, add notes or clear test history from the **Results** section.

**HOW TO ADD NOTES**

To add notes begin by selecting **Results** then select the test result you would like to add notes too. Click inside the blue note section of the Results screen and add your notes. The app will automatically save the information you enter. Tap **>Results** to go back to the previous screen.

**HOW TO CLEAR PREVIOUS TEST RESULTS**

To clear ALL previous test results, begin by selecting **Results**, then **Reset**. A notification screen will display **Reset data results**. "Are you sure you want to reset all the results and notes?" Select **Yes** to clear.

Before you begin, ensure you have downloaded the app and all necessary tests you will need. For helpful tips regarding test procedures, refer to "TIPS FOR BEST ACCURACY" on page 21.

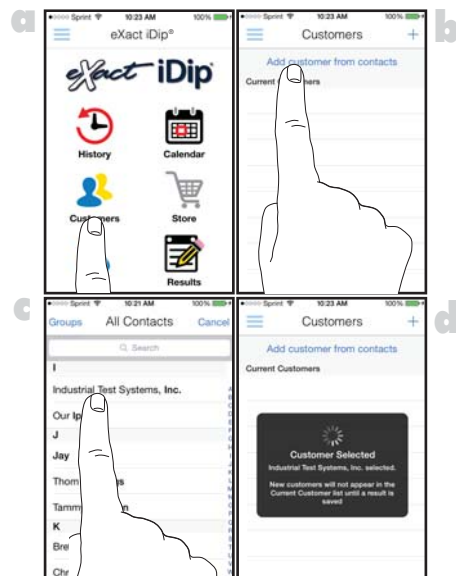
## 1 SELECT CUSTOMER

- Select **Customers** from the **Home** screen.
- Tap **Add customer from contacts**.
- Select a contact from your list.
- Verify customer has been selected.

### TIP

After adding a customer, a test will need to be run and a result saved in order for the customer's information to display in the app's customers list.

*Note: In order to take full advantage of the GPS and Data Storage features, each test result is linked to a contact. Individual users may select their own contact listing.*



### TIP

You can also choose to complete this step after testing.

## 2 POWER ON EXACT IDIP®

Press the **ZERO/ON** button to power on the eXact iDip®.



## 8 SHAKE BOTTLE & ADD DROPS

Shake the bottle of eXact® Reagent (e.g. Cyanuric Acid) and add drops. Ensure the reagent bottle remains vertical while adding drops.



## 9 COVER, PRESS READ, & MIX

Place the Cell Cover onto the CELL. Press **READ** and a 20 second countdown begins. Turn the meter **upside-down** repetitively during the 20 seconds. When the timer displays **1**, place the iDip® on a flat surface. Wait for count-up time.



## 10 READ RESULTS

**READ** result displayed on the iDip® and in the app. To run additional tests, repeat steps 5-9. To save, send, and share results, proceed to page 18 prior to closing the app.



## 8 REMOVE STRIP

Remove one eXact® Strip Micro (e.g. Total Alkalinity) and set in a dry, convenient place.



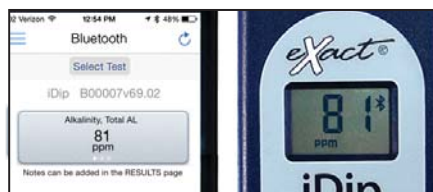
## 9 DIP STRIP AND PRESS READ

Press **READ** to initiate a 20 second countdown and simultaneously **DIP** the eXact® strip by submerging all pads in the sample then use a gentle constant back and forth motion (2 strokes per second) until the timer displays **1**. Remove and discard the strip. Wait for count-up time if required.



## 10 READ RESULTS

**READ** result displayed on the iDip® and in the app. To run additional tests, repeat steps 5-9. To save, send, and share results, proceed to page 18 prior to closing the app.

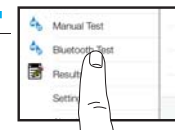


### TIP

On the Test Result Screen, swipe the result to the left, or right, to view alternative units of measure.

## 3 SELECT BLUETOOTH® TEST

Tap the menu slide out '☰' and select **Bluetooth Test** from the choices shown.

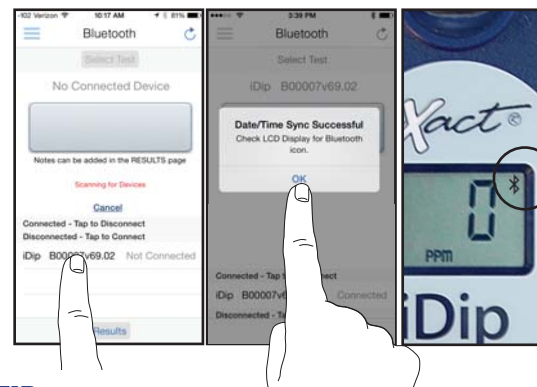


## 4 CONNECT EXACT IDIP®

Select your eXact iDip® from the bottom of the screen. Verify it has connected and tap **OK**. \*

*Note: Ensure you always connect your eXact iDip® Photometer via the Bluetooth® connection inside the app itself. To verify connection look for the Bluetooth icon in the upper right corner of your photometer.*

*If you experience an issue connecting your device, check to ensure that your smartphone/tablet's Bluetooth® function is turned on and your device is compatible.*



### TIP

Easily verify your device.

Refer to the back of your iDip® to determine the serial number for your device. This will also be the serial number for the Bluetooth® connection.



Bluetooth® SMART is a low-power wireless networking standard which uses short radio waves to allow electronic devices to communicate with each other. For more information regarding Bluetooth® SMART, see page 23.

## 5 FILL CELL

Rinse the cell 3 times with the water sample to be tested and **FILL** to the top to begin test.

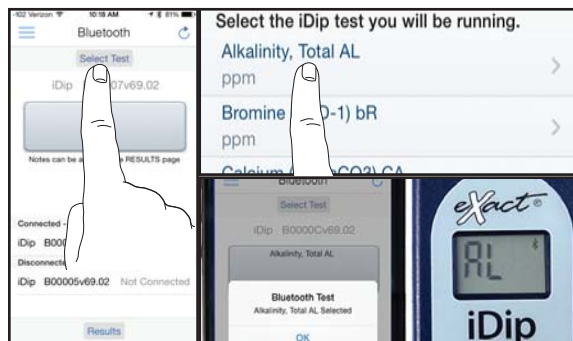


### TIP

Use the included cleaning brush to clean the cell after each test to achieve the most accurate result.

## 6 SELECT TEST

Tap **Select Test** at the top (e.g. Alkalinity, Total). The eXact iDip® and app will both display the test being run.



### TIP

In bright light situations use cell cover for zeroing and reading.

## 7 ZERO METER

Press **ZERO/OFF** and the iDip® display reads 0<sup>PPM</sup> indicating the meter is ready for testing.



## STANDARD STRIP METHOD

The **STANDARD STRIP METHOD** (page 16) involves dipping a single eXact® Strip for a 20 second count-down for the result. (some tests require a count-up time, listed below).

Alkalinity, Total

Bromine, Total

Chloride (as NaCl <600 ppm)

Chlorine, Free

Chlorine, Total (120 sec)

Chlorine, Total High (120 sec)

Chromium (VI) (240 sec)

Copper (as Cu<sup>+2</sup>)

Hardness, Calcium (as CaCO<sub>3</sub>)

Hardness, Total High (as CaCO<sub>3</sub>)

Hardness, Total Low (as CaCO<sub>3</sub>)

Hydrogen Peroxide (100 sec)

Hydrogen Peroxide High

Hydrogen Peroxide Low (120 sec)

Proceed to step 8 on page 16

Iodine

Nitrate (as NO<sub>3</sub>) (600 sec)

Nitrite (as NO<sub>2</sub>) (360 sec)

Ozone

Peracetic Acid

Permanganate

pH

pH, Acid

pH, Alkali

Phosphate (as PO<sub>4</sub>) (120 sec)

Sodium Bromide (as NaBr)

Sulfate (as SO<sub>4</sub>)

## STANDARD LIQUID METHOD

The **STANDARD LIQUID METHOD** (page 17) involves adding the specified number of drops (below) and mixing for a 20 second count-down for the result (some tests require an additional count-up time, listed below).

Proceed to step 8 on page 17

Cyanuric Acid (5 drops, 60 sec)

Metals (2 drops, 120 sec)

## NON-STANDARD METHOD

Chloride, HR (as NaCl >600 ppm)

Chlorine, Combined

Chlorine Dioxide

Manganese (as Mn<sup>+2</sup>)

Iron, Total

Turbidity

Molybdate (120 sec)

Sulfide (as S<sup>2-</sup>) (180 sec)

Download at [sensafe.com/idip](http://sensafe.com/idip)