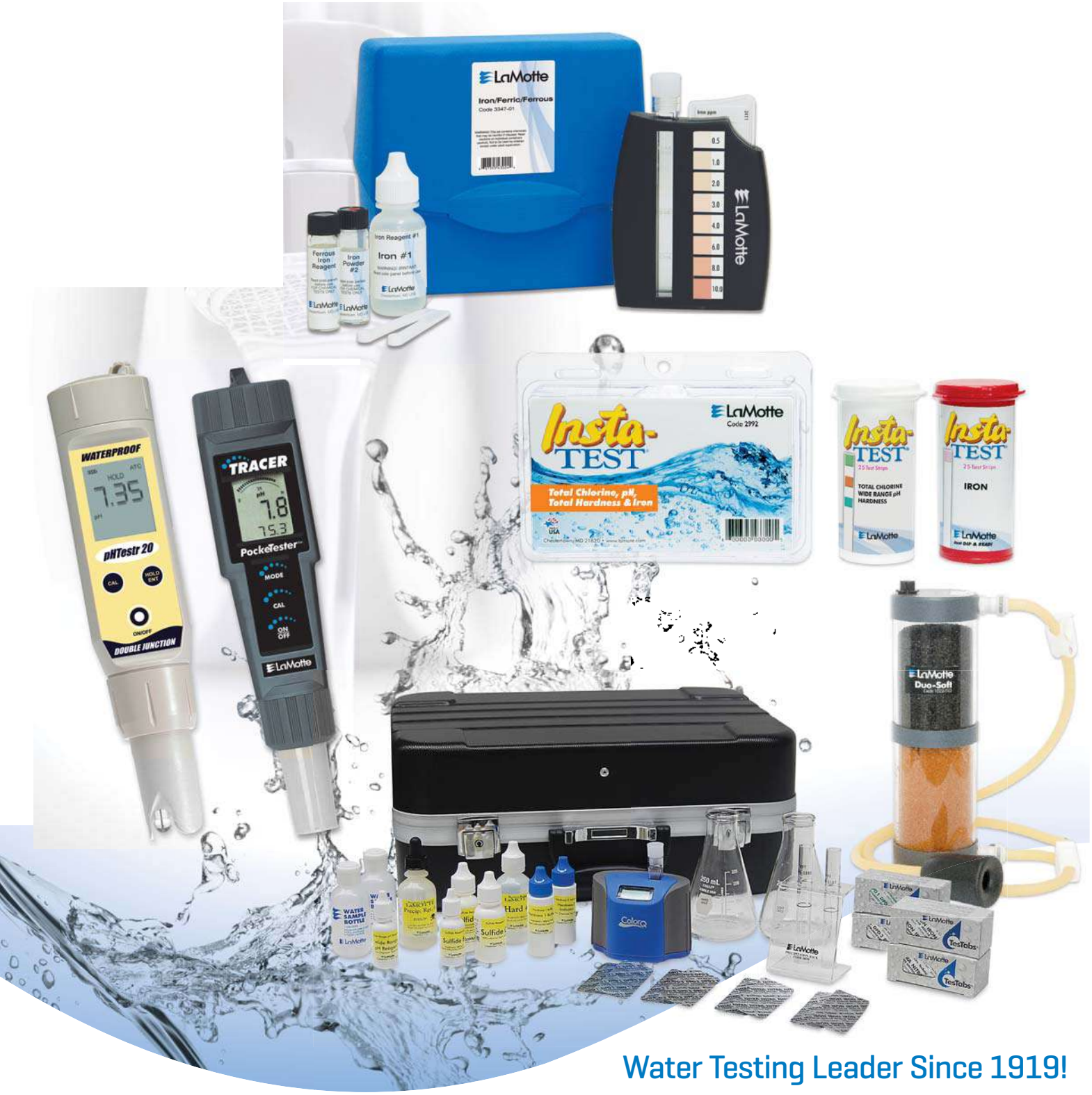
LaMotte

2015 Water Conditioning Testing Products



Water Testing Leader Since 1919!

LaMotte & Water Quality

Since 1919 LaMotte has been a committed leader in providing quality equipment and guidance for water analysis. Our philosophy has always been that **WE ARE IN BUSINESS TO HELP PEOPLE SOLVE ANALYTICAL CHALLENGES**. Today, we produce the broadest line of portable test equipment, and continue our focus on your specific needs by offering improved products and strong technical support.

Virtually all our reagents, instruments, and test kits are designed and manufactured in-house. Our Research and Development staff is constantly improving our existing products and seeking new methods and reagent packaging.

We believe the emphasis we place on **TECHNICAL SUPPORT** and **CUSTOMER SERVICE** helps distinguish LaMotte. Call our Technical Support toll-free number for guidance on product selection or assistance with any questions regarding LaMotte products.

Please visit our website at **www.lamotte.com** where you can see all of our product catalogs, newsletters, MSDS, new product information, technical tips, and instructions.

If for any reason you are not satisfied with our products or service, please contact us.

We know that when you buy analysis products from us, you purchase solutions to your challenges, not simply hardware.

PRICES are provided on the enclosed price list and are subject to change without prior notice. Prices are f.o.b. Chestertown, Maryland. A $7.50 handling fee and a $7.50 shipping fee are applied to all orders totaling less than $35.00.

PAYMENT TERMS are net thirty days to accounts with established credit with LaMotte Company. New accounts should provide credit references or enclose payment with the purchase order. American Express, VISA and MasterCard accepted.

PRODUCT CODE NUMBERS Please include product code numbers and quantities.

DISCLAIMER Descriptions and photography within this catalog are believed to be accurate. LaMotte reserves the right to revise products and prices without notification of change.

Test Methods

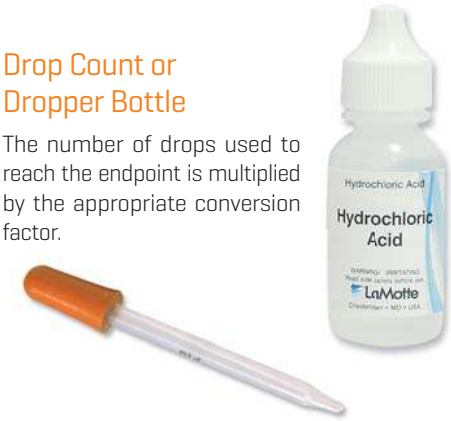
Titrimetric

Direct Reading Titrators

are calibrated for direct readout in concentration.

Drop Count or Dropper Bottle

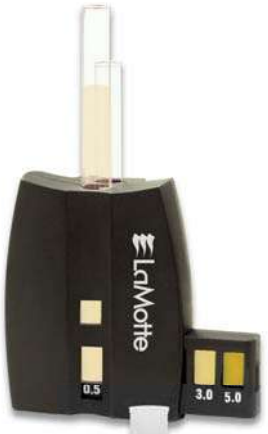
The number of drops used to reach the endpoint is multiplied by the appropriate conversion factor.



Colorimetric

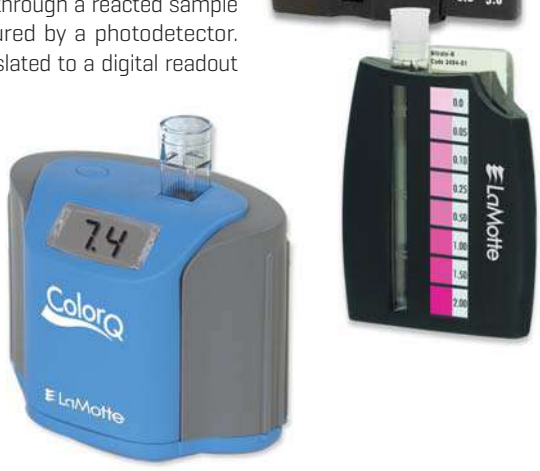
LRC and Octa-Slides 2 Comparators

provide eight translucent color standards mounted in a plastic comparator block or slide.



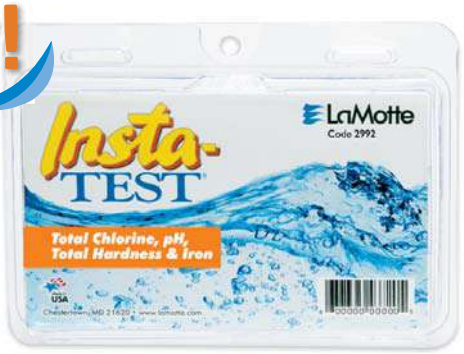
Electronic Colorimeters

Light passes through a reacted sample and is measured by a photodetector. Result is translated to a digital readout in ppm.



Insta-Test® Test Strips

New!



Code 2992

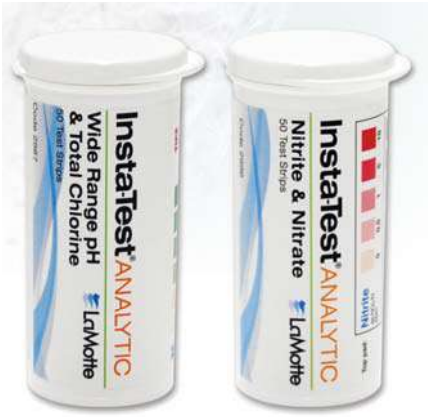
Single Factor Test Strips

Test Factor	Code	Range (ppm)	Values (ppm)	# of Tests Per Factor/ Per Vial
Alkalinity	2997	0-180	0, 40, 80, 120, 180	50
Chlorine, Free, Low Range	2964-G	0-10	0, 0.5, 1, 3, 5, 10	25
Chlorine, Total, Low Range	2963LR-G	0-10	0, 0.1, 0.25, 0.5, 1, 3, 10	25
Chlorine, Free, High Range	3031	0-800	0, 50, 100, 250, 500, 800	50
Chlorine, Total	2979	0-5	0, 0.5, 1, 3, 5	50
Hardness, Low Range	2981	0-180	0, 30, 60, 120, 180	50
Iron New!	2935-G	0-5	0, 0.3, 0.5, 1, 3, 5	25
pH, Wide Range	2974	4-10 (pH)	4, 5, 6, 7, 8, 9, 10	50
Peracetic Acid	3000	0-160	0, 10, 20, 40, 60, 85, 160	50
Peracetic Acid, High Range	3000HR	0-1,000	0, 50, 100, 250, 500, 1000	50
Peroxide, Low Range	2984	0-100	0, 1, 3, 10, 30, 50	25

For QUICK & EASY water quality profiles!

Multi-Factor Test Strips

Test Factor	Code	Range (ppm)	Values (ppm)	# of Tests Per Factor/ Per Vial
Chlorine (Free & Total)	3027-G	0-10 (FCl & TCl)	0, 0.5, 1, 3, 5, 10	25
Drinking Water 6-Way	2933	0-10 (FCl) 0-10 (TCl) 4-10 (pH) 0-400 (Hard) 0-50 (Nitrate) 0-10 (Nitrite)	0, 0.5, 1, 3, 5, 10 0, 0.5, 1, 3, 5, 10 4, 5, 6, 7, 8, 9, 10 0, 50, 100, 200, 400 0, 5, 10, 25, 50 (NO_3-N) 0, 0.5, 1, 5, 10 (NO_2-N)	25 25 25 25 25 25
Iron & Copper	2994	0-5 (Iron) 0-3 (Copper)	0, 0.3, 0.5, 1, 3, 5 0, 0.3, 0.6, 1, 3	25 25
Iron, pH, Hardness, & Total Chlorine New!	2992	0-5 (Iron) 4-10 (pH) 0-400 (Hard) 0-10 (TCl)	0, 0.3, 0.5, 1, 3, 5 4, 5, 6, 7, 8, 9, 10 0, 50, 100, 200, 400 0, 0.5, 1, 3, 5, 10	25 25 25 25
Wide Range (pH & Total Chlorine)	2987-G	4-10 (pH) 0-50 (TCl)	4, 5, 6, 7, 8, 9, 10 0, 1, 5, 10, 20, 50	25 25
Nitrate & Nitrite	2996	0-50 (Nitrate) 0-10 (Nitrite)	0, 5, 10, 25, 50 (NO_3-N) 0, 0.5, 1, 5, 10 (NO_2-N)	50 50



Code 2987 Code 2996

New!

Packaged Drinking Water Test Strips

Test Factor	Code	Range (ppm)	Values (ppm)
Drinking Water 5-Way New!	4-2936FP-100	0-10 (FCl) 0-10 (TCl) 0-400 (Hard) 4-10 (pH) 0-50 (Nitrate)	0, 0.5, 1, 3, 5, 10 0, 0.5, 1, 3, 5, 10 0, 50, 100, 200, 400 0, 3, 5.8, 11.7, 23 (gpg) 4, 5, 6, 7, 8, 9, 10 0, 5, 10, 25, 50 (NO_3-N)

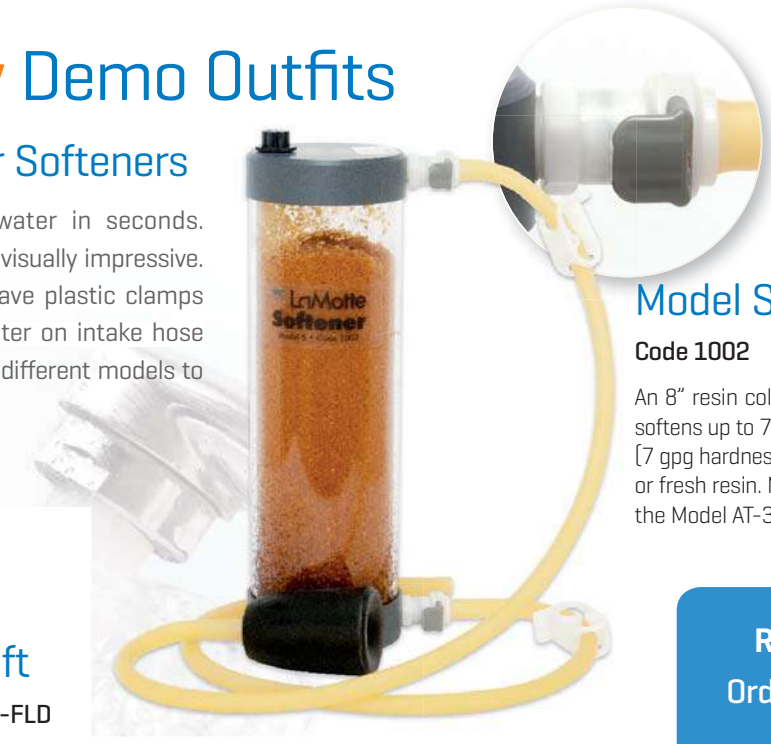
Two Test Strips per Bag
100 Bags per Case

For additional Test Strips, please visit www.lamotte.com or call customer service for details.

Water Quality Demo Outfits

Demonstration Water Softeners

Generate high-quality softened water in seconds. Clear acrylic column is durable and visually impressive. Flexible intake and outlet hoses have plastic clamps that prevent spillage. Rubber adapter on intake hose attaches to faucet. Available in four different models to suit your demonstration needs.

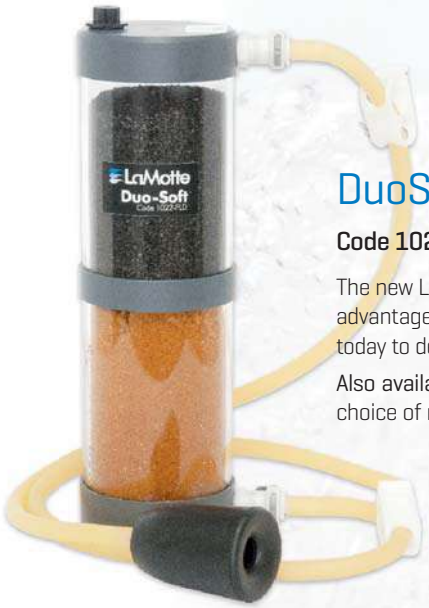


Now with Quick Connect Couplings!

Model S

Code 1002

An 8" resin column (10.25" total height) that softens up to 70 gallons of medium hard water (7 gpg hardness) before requiring regeneration or fresh resin. Model S softener is furnished in the Model AT-38 and AT-Q-38 outfits.



DuoSoft

Code 1022-FLD

The new LaMotte twin-chambered softener clearly demonstrates the advantages of advanced two-part treatment systems. Customize one today to demonstrate the true effectiveness of your treatment system.

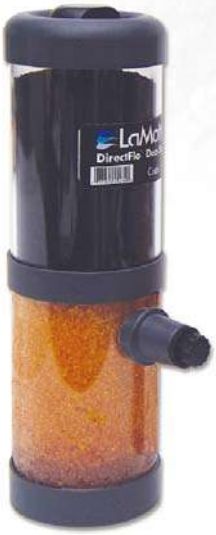
Also available: Order Code **1022** DuoSoft unit empty to fill with your choice of media

- Treat tapwater in one pass with a two-chambered softener
- Filter screen divider prevents bleeding of media between beds
- Two 4" columns (10.25" total height)
- A filled Duo-Soft is furnished in the Model AT-40 and AT-Q-40 outfit

Refills Available:

Order Code R-1002 · Resin refill for Model S (1002) and DirectFlo (1026)

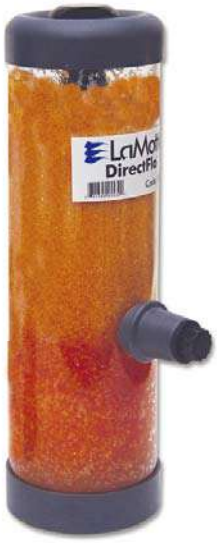
Order Code R-1022 · Carbon and Resin refill for DuoSoft (1022) and DirectFlo DuoSoft (1028)



DirectFlo DuoSoft

Code 1028

- Unique gravity fed design works with any size faucet, eliminating messy hoses!
- Effectively combines two water treatments in one pass
- Twin 4" chambers (10.25" total height) with carbon in the top chamber and resin in the bottom chamber
- Designed to ensure only water coming out the side outlet has received both treatments.



DirectFlo Softener

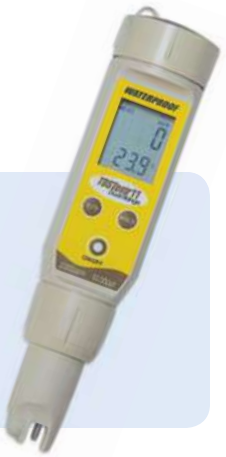
Code 1026

- Unique gravity fed design works with any size faucet, eliminating messy hoses!
- 8" resin column (10.25" total height) softens up to 70 gallons of hard water (7 gpg) before regeneration
- Designed to ensure only treated water comes out of the side outlet.

Optional DUAL RANGE TDS Waterproof PockeTester

TDS 11 · Code 5-0080

The TDS Dual Range PockeTester reads Total Dissolved Solids in 10 ppm increments up to 1,990 ppm. The unit switches automatically to precisely measure Total Dissolved Solids in 100 ppm increments up to 10,000 ppm (10.00 ppt). The units feature push-button calibration and automatic temperature compensation.



Water Quality Demo Outfits

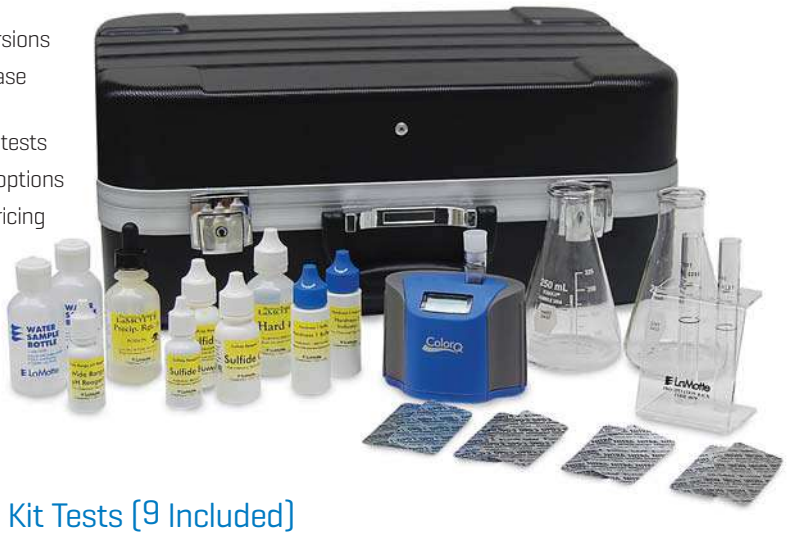
LaMotte Model AT-Q and AT Visual series outfits are the most popular and effective sales tools for on-site demonstrations. The tests clearly demonstrate the benefits between untreated and treated water.

Customize Your Water Quality Sales Demonstrations.
Choose the Softener that Meets Your Needs!

AT-Q Digital Series

Featuring the ColorQ DW digital colorimeter

- New digital versions
- New rugged case with locks
- Fast & simple tests
- More custom options
- Competitive pricing




AT-Q with Model S · Code 4-3051-01


AT-Q with DuoSoft · Code 4-3055-01


AT-Q with DirectFlo · Code 4-3071-01

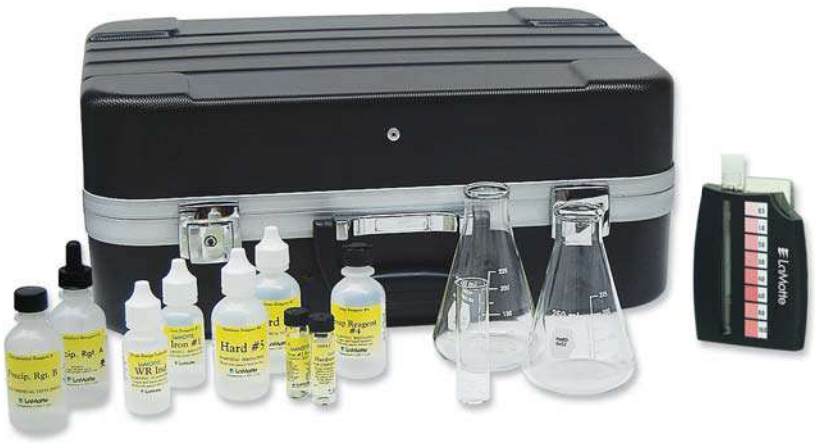

AT-Q with DirectFlo DuoSoft · Code 4-3075-01

AT-Q Digital Kit Tests (9 Included)

	Hardness	pH	Iron	Nitrate	Chlorine Free & Total	Sulfide	Precipitation	Soap Consumption
Range	1-41 gpg*	5-9	0-3.0 ppm*	0-25	0-10 ppm	0-3.0 ppm*	Before/After	Before/After
Resolution	1 gpg	0.5 pH	0.5	1 ppm	0.2 ppm	0.2 ppm	—	
Number of Tests	140	70	50	50	50	120	100	100

* Higher Concentrations by dilution; instructions included.

AT Visual Series




AT with Model S · Code 4-3003-02


AT with DuoSoft · Code 4-3015-01


AT with DirectFlo · Code 4-3010-01


AT with DirectFlo DuoSoft · Code 4-3018-01

AT Visual Kit Tests (5 Included)

	Hardness	pH	Iron	Precipitation	Soap Consumption
Range	1 drop = 10 ppm/1 gpg	5.0-10 ppm	0.5-10* ppm	Before/After	Before/After
Number of Tests	100	100	100	100	100

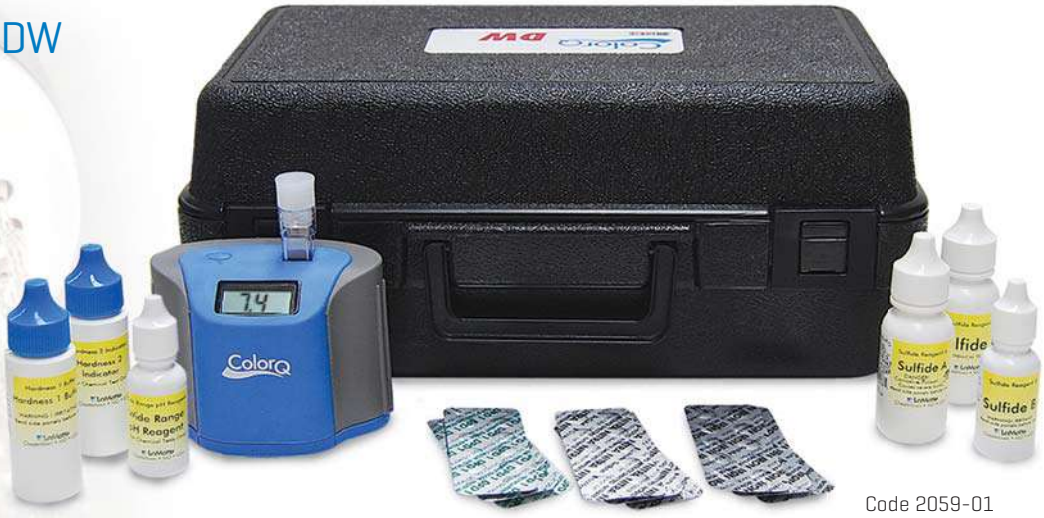
* Higher Concentrations by dilution; instructions included.

Optional Add-On Kits and TDS Meter:

- Chlorine (0.2-3.0 ppm) · 50 Tests · Code **4-3006**
- Nitrate (0-15 ppm) · 50 Tests · Code **4-3004**
- TDS Meter · Code **5-0080** (see page 4)

Multi-Parameter Outfits

Digital Outfit ColorQ DW



Code 2059-01

Digital Outfit ColorQ DW

ColorQ DW Code 2059-01 · Shipping Code (weight/lbs.): R1 (4)
Reagent Refill · R-2059-01 · Shipping Code (weight/lbs.): R1 (2)

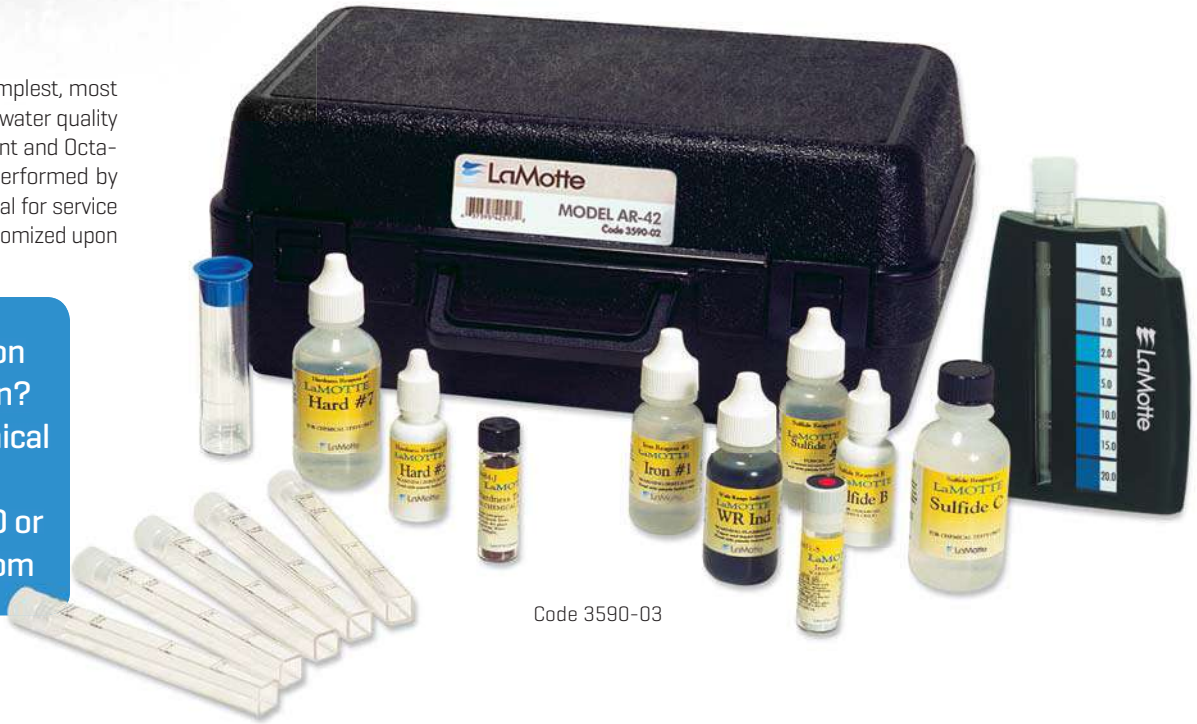
	Hardness	pH	Iron	Nitrate	Chlorine Free & Total	Sulfide
Range	1-41 gpg*	5-9	0-3.0 ppm*	0-25	0-10 ppm	0-3.0 ppm*
Resolution	1 gpg	0.5 pH	0.5 ppm	1 ppm	0.2 ppm	0.2 ppm
Number of Tests	140	70	50	50	50	120

* Higher Concentrations by dilution; instructions included.

Visual Kits

Model AR outfits offer the simplest, most economical way to measure water quality factors in the field. Drop Count and Octa-Slide tests can be reliably performed by non-technical personnel. Ideal for service applications. Units easily customized upon request.

Need guidance on product selection? Contact our technical support staff at 800-344-3100 or tech@lamotte.com



Code 3590-03

Visual Kits

Code 4783-03 · Shipping Code (weight/lbs.): R1 (7)
Reagent Refill · R-4783-02

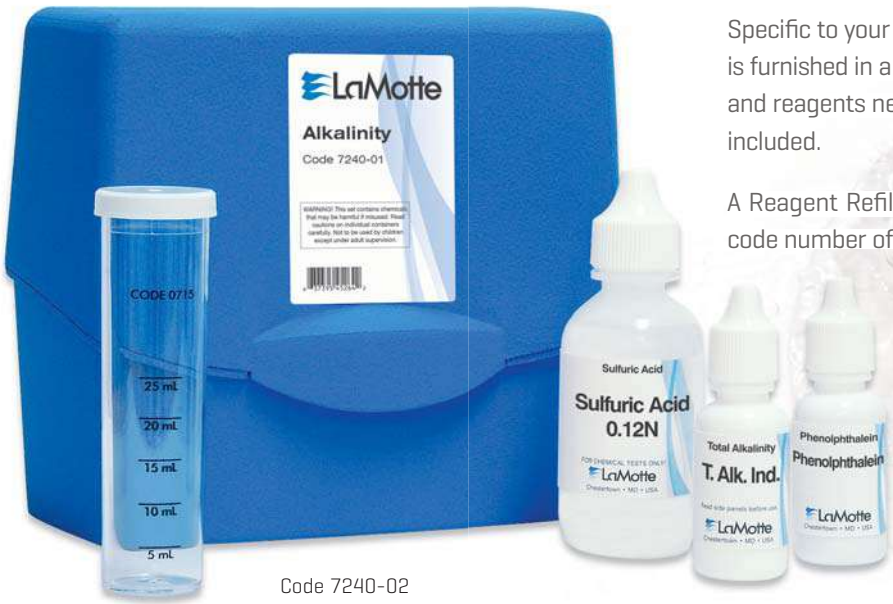
Popular AR-02 outfit provides tests for Hardness, Iron, and pH. Drop Count test for Hardness (10 ppm or 1 gpg/drop). Octa-Slide tests for Iron (0.5-10 ppm) and pH (5.0-10). Includes 100 tests for Iron and 50 tests each for pH and Hardness.

Code 3590-03 · Shipping Code (weight/lbs.): R1 (7)
Reagent Refill · R-3590-01

The Model AR-42 has the same test range for pH, Hardness, and Iron as the AR-02, but it also is equipped to test for Sulfide (0.2–20 ppm). Includes 50 tests for pH, Hardness, and Sulfide; 100 for Iron.

Ship Codes: (NH) Non-Hazardous Material - No Fees · (R1) Small Qty. Hazardous Material - No Fees · (R2, R3, & LQ) Hazardous Material - Air Fees Only · (HF) Hazardous Material - Air & Ground Fees

Individual Test Kits



Code 7240-02

Specific to your treatment and monitoring needs. Each individual kit is furnished in a compact carrying case with all labware, accessories, and reagents needed to perform the test. Step-by-step instructions included.

A Reagent Refill Package may be ordered by prefixing "R–" to the code number of the kit.

Convenient REAGENT REFILLS! When ordering, place "R-" before the kit code

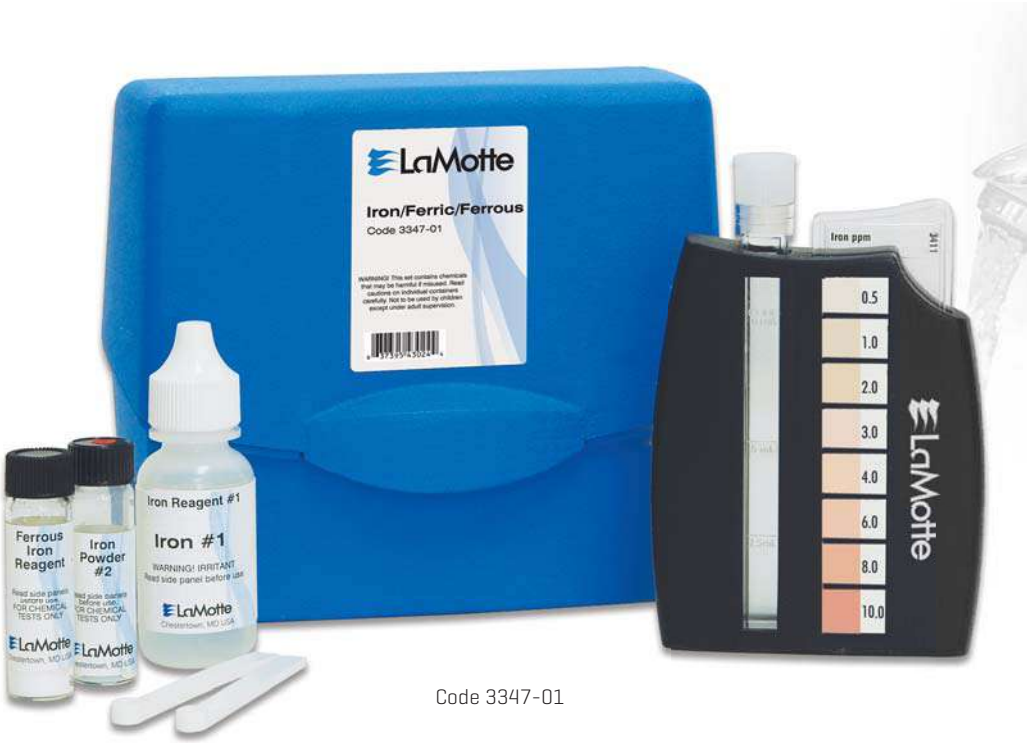
Code	Test Method	Range/Sensitivity	# Tests	Shipping Codes (weight/lbs.)
Alkalinity	Kits use titrations with standard acid to the phenolphthalein (P) and/or total (T) alkalinity endpoint.			
7240-02	Dropper Bottle for P&T Alkalinity	1 drop = 10, 25, or 50 ppm as $CaCO_3$	100 at 500 ppm	R1 (2)
4491-DR-01	Direct Reading for Total Alkalinity	0–200 ppm as $CaCO_3$ in 4 ppm increments	50 at 200 ppm	NH (1)
3467-01*	Direct Reading Titrator for P&T Alkalinity	0–200 ppm as $CaCO_3$ in 4 ppm increments	50 at 200 ppm	R1 (1)
Aluminum	A pink to red color will form when aluminum reacts with Eriochrome Cyanine R at pH 6.			
3569-01	Octa-Slide 2 Comparator	0.0, 0.1, 0.15, 0.2, 0.25, 0.3, 0.4, 0.5 ppm Al^{3+}	50	NH (1)
Arsenic	The procedure detects inorganic As^{+3} and As^{+5} by converting these to arsine gas, which produces a yellow to brown color on the test strip. The strip is then compared to color standards to determine the arsenic concentration.			
4053-02	Colorimetric/Test Strips	<4, 4, 8, 10, 12, 14, 16, 20, 25, 30, 50, 85, 100, 150, 175, 200, 300, 400 ppb	50	R1 (8)
Bacteria	LaMotte offers the BART™ (Biological Activity Reaction Tests) line of kits for various microbiological analyses. Results are obtained by observation after 2-8 days of room temperature incubation. Please contact us for more information. (see also coliform) New! Also, see the BioPaddles™ on page 9. BioPaddles are flexible dual-agar paddles each containing microbe-specific media enclosed in a sterile vial. Identify and quantify microbes in air, soil, water, or any surface! BioPaddles do not require any other testing equipment – only a magnifier and warm place (35°C or incubator) are needed.			
5-0024	Iron Related Bacteria (IRB)	Semi Quantitative	9	NH (1)
5-0026	Slime Forming Bacteria (SLYM)†	Semi Quantitative	9	NH (1)
5-0025	Sulfate Reducing Bacteria (SRB)	Semi Quantitative	9	NH (1)
5-0032	Combo Pack (Iron, Sulfate Reducing, Slime Forming)†		3 each	NH (1)
5-0033	Mini Hand-held UV Lamp includes one 4-watt bulb and four AA batteries. Measures 6.5 x 1.75 x 1.25 inches. Replacement tubes available.			
Chloride	The argentometric method employs a chromate indicator and silver nitrate titrant. Hydrogen peroxide is included to eliminate sulfite interference.			
7247-01	Dropper Bottle	1 drop = 2, 5, or 10 ppm	120 at 10 ppm	R1 (1)

* EPA Accepted for NPDWR
† Requires use of UV lamp (order code 5-0033)

Continued next page...

Ship Codes: (NH) Non-Hazardous Material - No Fees · (R1) Small Qty. Hazardous Material - No Fees · (R2, R3, & LQ) Hazardous Material - Air Fees Only · (HF) Hazardous Material - Air & Ground Fees
Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

Individual Test Kits



Code 3347-01

Code	Test Method	Range/Sensitivity	# Tests	Shipping Codes (weight/lbs.)
Chlorine	Free, combined, and total chlorine may be determined using DPD with either colorimetric or titrimetric methods. These determinations are generally limited to concentrations of 0-10 ppm, although the FAS titration can test higher concentrations with the addition of more DPD indicator.			
3308-01*	Octa-Slide 2 Comparator for Free & Total	0.2, 0.4, 0.6, 0.8, 1.0, 1.5, 2.0, 3.0 ppm Cl	50	NH (1)
3312-01*	Octa-Slide 2 Comparator for Free & Total	0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.8, 1.0 ppm Cl	50	NH (1)
3314-01*	Octa-Slide 2 Comparator for Free & Total	Low: 0.1-1.0 ppm Cl high: 1.0-6.0 ppm Cl	100	NH (1)
3176-02*	Direct Reading Titrator for Free & Total	0–10 ppm Cl in 0.2 ppm increments	50 at 10 ppm	R1 (2)
3670-01*	Digital Colorimeter	0–4.0 ppm Cl/0.05 ppm, DPD Tablets	100	NH (4)
3670-01-LI	Digital Colorimeter	0–4.0 ppm Cl/0.05 ppm, DPD Liquid	100	R1 (5)
Chlorine Bleach	Higher concentrations of chlorine require the iodometric titration, whereby the sample is acidified and iodide is added, which is oxidized by chlorine to iodine and is titrated with a standard thiosulfate solution.			
7894-01	Dropper Pipet	1 drop = 0.005%, 0.05%, 0.5% Cl	50 at 10%	R1 (1)
Coliform	Kit 4-3616 uses five tubes, each containing a nutrient tablet. Reacted tubes are stored at room temperature for 48 hours and examined for color change and gas formation. Kit 3-0035 uses a patented combination of color-producing nutrients and enzymes that differentiate coliforms, E.coli, and non-coliform species. New! Also, see the BioPaddles™ on page 9. BioPaddles are flexible dual-agar paddles each containing microbe-specific media enclosed in a sterile vial. Identify and quantify microbes in air, soil, water, or any surface! BioPaddles do not require any other testing equipment – only a magnifier and warm place (35°C or incubator) are needed.			
4-3616	Total Coliform (LaMotte)	Presence/Absence	1	NH (1)
Copper	A yellow color is formed when copper reacts with diethyldithiocarbamate (DDC)			
6616-01	LRC Comparator	0.0, 0.05, 0.1, 0.15, 0.2, 0.3, 0.4, 0.5 ppm Cu, 0–5.0 with dilution	50	NH(1)
Hardness	EDTA titration is used for all hardness determinations with a red to blue endpoint. Total hardness buffers include inhibitors to eliminate metal interferences. All results are as $CaCO_3$; some kits also express results as gpg. The -LT suffix indicates a liquid buffer and tablet indicator.			
4482-LT-02	Dropper Bottle for Total Hardness	1 drop = 10 ppm or 1 gpg as $CaCO_3$	50 at 200 ppm or 20 gpg	R1 (1)
3037-DR-01	Direct Reading Titrator for low range Total Hardness	0-10 ppm as $CaCO_3$ in 0.2 ppm increments	50 at 10 ppm	R1 (1)

* EPA Accepted for NPDWR

Ship Codes: (NH) Non-Hazardous Material - No Fees · (R1) Small Qty. Hazardous Material - No Fees · (R2, R3, & LQ) Hazardous Material - Air Fees Only · (HF) Hazardous Material - Air & Ground Fees
Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

Individual Test Kits

Code	Test Method	Range/Sensitivity	# Tests	Shipping Codes (weight/lbs.)
Iron	Bipyridyl is a ferrous iron indicator that tests total iron after any ferric iron is reduced to ferrous in the sample. Ferrous and ferric may be tested separately using Kit 3347-01			
4447-01	Octa-Slide 2 Comparator for Total Iron	0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0 ppm Fe	90	R1 (1)
7787-01	LRC Comparator for Total Iron	0.05, 0.1, 0.2, 0.3, 0.4, 0.6, 0.8, 1.0 ppm Fe	30	R1 (1)
3347-01	Octa-Slide 2 Comparator for Total, Ferrous and Ferric Iron	0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0 ppm Fe	50	R1 (1)
Manganese	The 1-(2-pyridylazo)-2naphthol(PAN) method forms an orange complex with manganese.			
3588-02	Octet Comparator	0.0, 0.05, 0.1, 0.2, 0.4, 0.6, 0.8, 1.0 ppm Mn	50	LQ (2)
Nitrate Nitrogen	The nitrate is reduced to nitrite by zinc and this undergoes diazotization/coupling to form a pink color. (see also nitrate test strips, page 3)			
3354-01	Octa-Slide	0, 1, 2, 4, 6, 8, 10, 15 ppm NO_3-N	50	NH (2)
Ozone	DPD reacts with ozone, but any other oxidizers will interfere. The indigo trisulfonate method includes a step to eliminate chlorine interference. Bromine will interfere.			
3678-01	Digital Colorimeter Indigo trisulfonate	0–0.4 ppm O3/0.04 ppm	100	NH (7)
pH	Indicators specific to a particular pH allow colorimetric determination. (see also pH meters, pages 10-11)			
3353-01	Octa-Slide 2 Comparator	5.0, 6.0, 6.5, 7.0, 7.5, 8.0, 9.0, 10.0 pH	50	R1 (1)
Sulfate	Barium forms a precipitate with sulfate. The turbidity from the precipitate is measured using a comparator.			
7778-01	Octa-Slide 2 Comparator	20, 40, 60, 80, 100, 120, 160, 200 ppm SO_4^{2-}	50	R1 (1)
Sulfide	Uses the Pomeroy methylene blue method for analysis. (see also sulfide test on ColorQ, page 6)			
4456-01	Octa-Slide 2 Comparator for Total Sulfide	0.2, 0.5, 1.0, 2.0, 5.0, 10.0, 15.0, 20.0 ppm S=	50	R1 (1)
Tannin	Tungstophosphoric and molybdophosphoric acids are reduced by tannins to form a blue color.			
7831-01	Octa-Slide 2 Comparator	1, 2, 3, 4, 5, 6, 8, 10 ppm tannic acid	50	R1 (1)

Ship Codes: (NH) Non-Hazardous Material - No Fees · (R1) Small Qty. Hazardous Material - No Fees · (R2, R3, & LQ) Hazardous Material - Air Fees Only · (HF) Hazardous Material - Air & Ground Fees
Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

LaMotte BioPaddles™

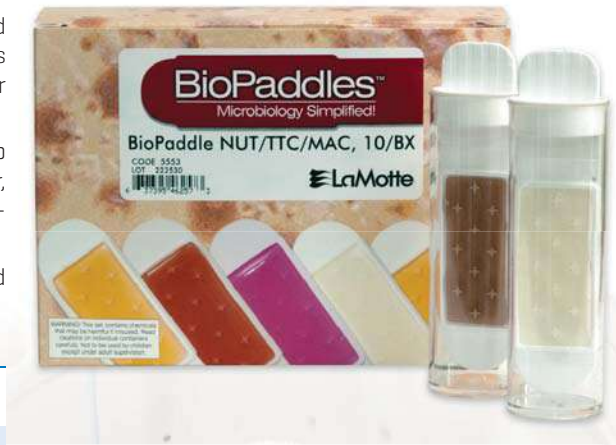
New!

Microbiology Simplified!

BioPaddles™ are flexible dual-agar paddles each containing microbe-specific media enclosed in a sterile vial. Identify and quantify microbes in air, soil, water, or any surface! BioPaddles do not require any other testing equipment – only a magnifier and warm place (35°C or incubator) are needed.

All BioPaddles™ products come with a free app! LaMotte BioPaddles Colony ID™ Lite App lets users compare colony examples on BioPaddle agar types from 5 microhabitats (air, water, soil, surface and food). Also contains information regarding organisms, microbiological techniques, and more!

BioPaddles™ Products – all packaged 10 paddles per box. Includes general instructions and provides access to detailed Technical Documents for each paddle type.



Code	Type Of Agar(s)	Description
5540	R2A/MacConkey	For the cultivation and enumeration of bacteria from potable water, total coliform testing (TCC).
5544	MacConkey/EMB	Isolation and differentiation of Gram (-) cocci enteric bacilli, coliform, and recovery of stressed coliforms.
5553	Nutrient TTC/ MacConkey	TTC. For field sampling cultivation and enumeration of coliform bacteria total coliform count (TCC). Gram (-) bacterial colonies appear as red dots. Gram (+) bacteria are usually inhibited.

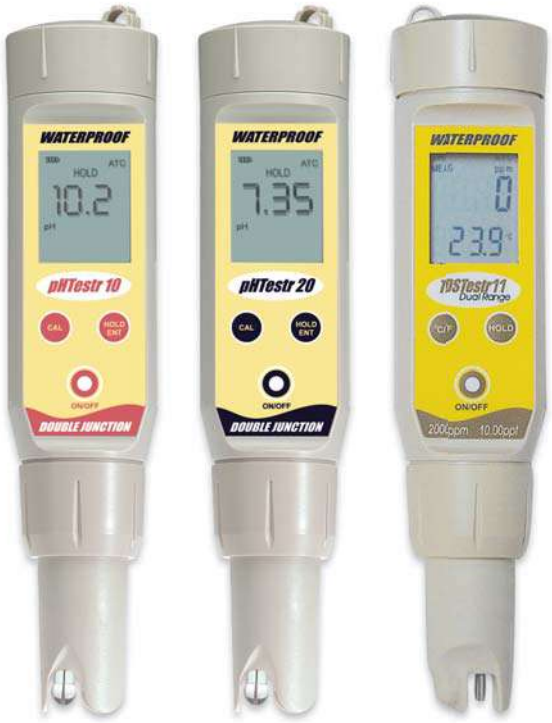
Instrumentation

Pocketesters

Ideal for almost any water analysis application. The WATERPROOF PockeTesters float and can be intermittently submerged to a depth of 3 feet. The waterproof feature makes cleanup easy since the whole unit can be rinsed. Replacement electrodes help reduce long term costs. Double junction meters are ideal for testing pH in strong acids, solvents, or other harsh applications.

Easy to operate & calibrate

Model	pH 10	pH 20	TDS Dual Range	
Code:	5-0103	5-0104	5-0080	
Range:	-1.0 to 15.0 pH extended range		0 to 1,990 ppm and 0 to 10.00 ppt	
Resolution:	0.1	0.01	10 ppm	0.10 ppt (100 ppm)
Accuracy:	±0.1	±0.01	±2%FS	
Calibration:	Select up to 3 points (4.0, 7.0, or 10.0)		Against appropriate calibrating solutions	
Single Point Operating Temperature:	32 to 122°F; 0 to 50°C			
Temperature Compensation:	Automatic (ATC) 0 to 50°C			
Special Functions:	On/Off or Auto-Off after 8.5 min.; HOLD; CALibrate		Full reading displayed	
Power & Battery Life:	Four 1.5V batteries (supplied); 100 hrs. continuous use (±720 tests per battery); Eveready A76BP or equivalent for replacement.			
Replacement Electrode:	5-0097		5-0084	



Digital Turbidity Meter

2020we (EPA Compliant)

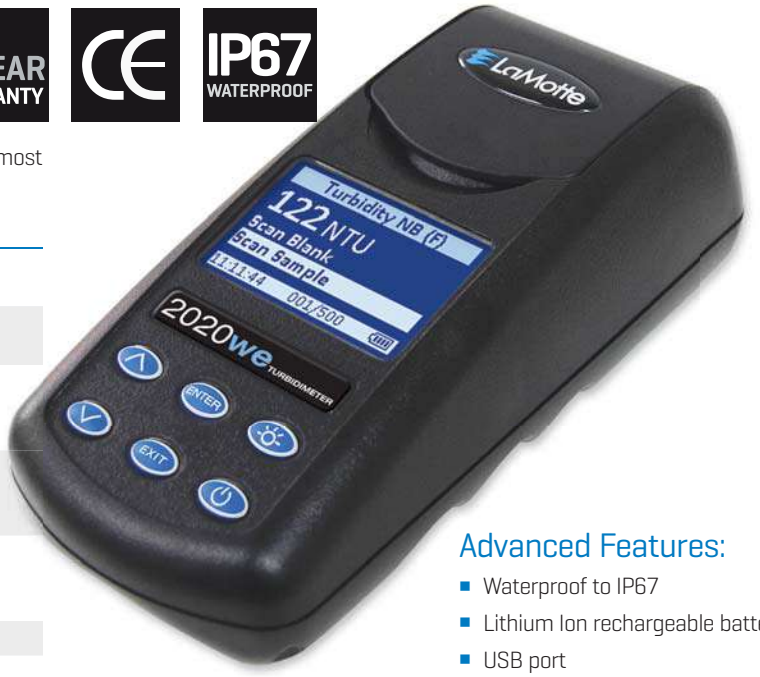
Model 2020we · Code 1970-EPA

2 YEAR WARRANTY · CE · IP67 WATERPROOF

Industry-leading precision, sensitivity, and dependability in one of the most **innovative handheld meters** available on the market!

Specifications	
Unit of Measure 2020we	NTU, AU, ASBC, EBC
Units of Measure 2020wi	FNU, FAU, ASBC, EBC
Range*	0-4000 NTU/FNU, 0-10,500 ASBC, 0-150 EBC
Resolution*	0.01 NTU/FNU 0.00-10.99, 0.1 NTU/FNU 11.0-109.9, 1 NTU/FNU 110-4000
Accuracy*	From 0-2.5 NTU the accuracy is ±0.05 NTU. From 2.5-100 NTU the accuracy is ±2%, Above 100 NTU the accuracy is ±3%.
Detection Limit	0.05 NTU/FNU
Range Selection	Automatic
Reproducibility*	0.02 NTU/FNU or 1%
Light Source	Tungsten (EPA), complies with EPA 180.1 standard

* Over 600 NTU/FNU units expressed as AU/FAU



Advanced Features:

- Waterproof to IP67
- Lithium Ion rechargeable battery
- USB port
- 7 languages
- Backlit display
- EPA and ISO versions
- European CE mark

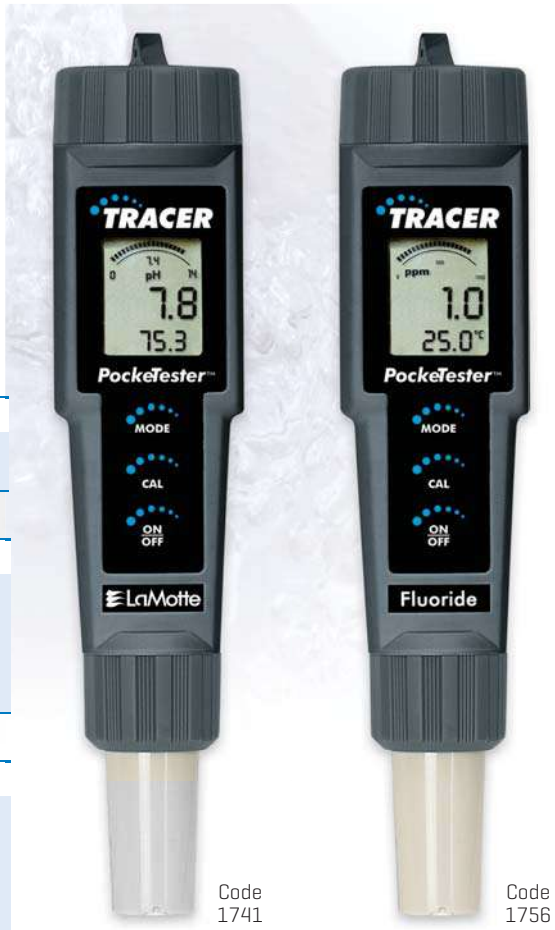
LaMotte TRACER Meters

- Readings are not affected by sample color or turbidity
- Extra bold display includes an analog bar graph feature
- Memory can store up to 15 readings
- Meters also display sample temperature
- Unit identifies which probe is in use and retains calibrations
- Waterproof design
- Automatic shut-off and Low Battery indicator; uses four LR-44 batteries
- Note: Fluoride Tracer uses Code 7024-J Tablets

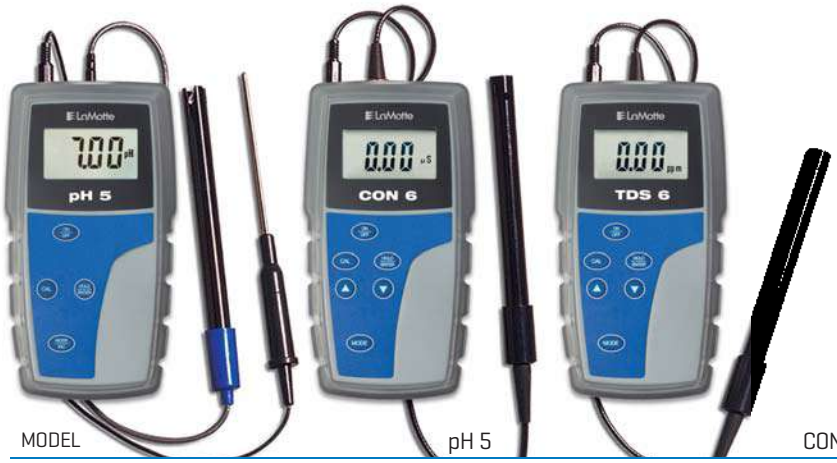
Model	pH	ORP	Fluoride	
Code	1741	1742	1756	
Range (Accuracy)	pH: 0-14 (±0.01)	ORP: ±999mV (±4mV)	Fluoride: 0.1 to 10 ppm (±3% rdg)	Temp: 0°-60°C/32°-140°F (±1°C/1.8°F)

Model	EC/TDS/Salt/Temp			
Code	1749			
Range (Accuracy)	Conductivity: 0-199.9 mS; 200-1999 mS; 2.00-19.99 mS (±2% FS)	TDS: 0-99 ppm; 100-999 ppm; 1000-9999 ppm (±2% FS)	Salinity: 0-99 ppm S; 100-999 ppm S; 1000-9999 ppm S (±2% FS)	Temp: -5°-90°C (±1°C/1.8°F)

Model	pH/TDS/Salt/CON/Temp				
Code	1766				
Range (Accuracy)	pH: 0-14 (±0.01)	Conductivity: 0-199.9 mS; 200-1999 mS; 2.00-19.99 mS (±2% FS)	TDS: 0-99 ppm; 100-999 ppm; 1000-9999 ppm (±2% FS)	Salinity: 0-99 ppm S; 100-999 ppm S; 1000-9999 ppm S (±2% FS)	Temp: -5°-90°C (±1°C/1.8°F)



Code 1741 Code 1756



LaMotte Series Meters

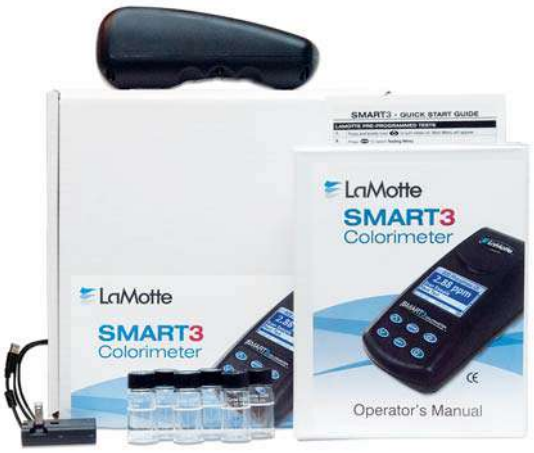
An outstanding lineup of instruments for measuring pH, Conductivity, and TDS. These handheld meters incorporate advanced microprocessor technology with attractive, compact designs resulting in a rare combination of hi-tech performance, user-friendly operation, and affordability.

MODEL	pH 5 (pH)	CON 6 Meter (Conductivity)	TDS 6 Meter (TDS)
Order Code:	w/out case 5-0034-01; with case 5-0035-01	w/out case 5-0038-02; w/case 5-0039-02	w/out case 5-0036-02; w/case 5-0037-02
Range:	0.00 - 14.00 pH	0.0 to 199.9 µS; 200 to 1999 µS; 2.00 to 19.99 mS	0.0 to 99.9 ppm; 100 to 999 ppm; 1.00 to 9.99 ppt
Resolution:	0.01 pH	0.1 µS, 1µS, 0.01mS	0.1 ppm, 1 ppm, 0.01 ppt
Accuracy:	±0.01 pH	±2% full scale	±2% full scale
Calibration:	Up to 3 Buffer Values; (pH 4.01, 7.00, 10.0)	1 to 3 points (push button; 1 point per range)	
Temperature	0°C to 100°C; 0.1°C resolution		
Temperature Compensation:	Automatic Temperature Compensation (ATC)		
Power:	4 AAA alkaline batteries (supplied) >70 hours continuous use		
Auto shut-off:	After 17 minutes		

SMART®3 Colorimeter

Code 1910

The user-friendly SMART®3 Colorimeter is the ideal direct reading colorimeter for complete on-site water analyses. All pre-programmed tests can be run on this compact instrument and each test features automatic wavelength selection. The entire multi-LED optical system is embedded in the light chamber and optimized for LaMotte test reagent systems. The analyst can simply select the test and put in the sample with reagent. The microprocessor, which selects the wavelength, also allows the user to load up to 25 tests for analyzing custom reagent systems. LaMotte stands behind every system we provide.



Specifications

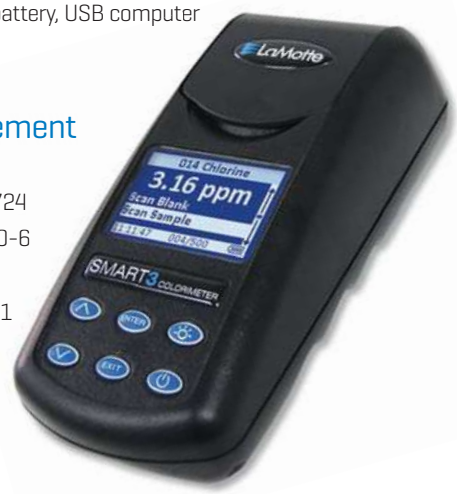
Range:	0-125%T
Resolution:	1% FS
Accuracy:	2% FS
CE Mark:	Yes
Light Source:	LED/Filter setup; 428nm, 525nm, 568nm, 638nm
Detector:	Photodiode
Display:	160x100 Backlight LCD, 20x4 line graphics display
Sample Cell:	25 mm round cell, 10 mm square cuvette, 16 mm COD tubes
Datalogging:	Up to 500 data points, USB transfer, time and date stamped
Keypad:	6-button mechanical
Calibration:	Factory set - user adjustable
Power:	USB computer/power charger or Lithium Ion rechargeable battery, 3.7V, 2.5" x 0.75", 1.7 oz.
Dimensions:	19.05 x 8.84 x 6.35 cm; 7.5 x 3.5 x 2.5 inches
Weight:	15 ounces
Bandwidth:	10 mm typical

Additional advancements include:

- USB interface
- Optional software for data storage and manipulation
- Lithium ion rechargeable battery, USB computer adapter is included
- USB port

Accessories/replacement items:

- COD/UDV adapter, Code 1724
- 6 sample tubes, Code 0290-6
- USB Cable, Code 1720
- USB Power Plug, Code 1721
- Car Charger, Code 5-0132



Reagent Systems Ordered Separately - Call for Information

Alkalinity (UDV)	0-200 ppm
Aluminum	0-0.3 ppm
Ammonia-Nitrogen LR	0-1.0 ppm
Ammonia-Nitrogen HR	0-4.0 ppm
Biguanide	0-70 ppm
Boron	0-0.8 ppm
Bromine LR	0-9.0 ppm
Bromine (UDV)	0-22 ppm
Cadmium	0-1.0 ppm
Calcium, Magnesium, (Total) Hardness (UDV)	10-500 ppm
Carbohydrazide	0-0.900 ppm
Chloride TesTab	0-30 ppm
Chlorine	0-4.0 ppm
Chlorine - Free (UDV)	0-10 ppm
Chlorine (Liquid DPD)	0-4 ppm
Chlorine - Total (UDV)	0-10 ppm
Chlorine Dioxide	0-8.0 ppm
Chromium, Hexavalent	0-1.0 ppm
Chromium, Total, Hex, Trivalent	0-1.0 ppm
Chromium (TesTab)	0-1.0 ppm

Cobalt	0-2.0 ppm
COD LR w/ Mercury	0-150 mg/L
COD LR w/o Mercury	0-150 mg/L
COD SR w/ Mercury	0-1,500 mg/L
COD SR w/o Mercury	0-1,500 mg/L
COD HR w/ Mercury	0-15,000 mg/L
COD HR w/o Mercury	0-15,000 mg/L
Color	0-1000 cu (color units)
Copper (BCA) LR	0-3.5 ppm
Copper (CPZ)	0-2.0 ppm
Copper (DDC)	0-6 ppm
Copper (UDV)	0-4.0 ppm
Cyanide	0-0.35 ppm
Cyanuric Acid	5-200 ppm
Cyanuric Acid (UDV)	0-200 ppm
DEHA	0.0-0.7 ppm
Dissolved Oxygen	0-11.0 ppm
Erythorbic Acid	0-3.0 ppm
Fluoride	0-2.0 ppm
Hardness (TesTabs)	0-500 ppm

Hydrazine	0-1.0 ppm
Hydrogen Peroxide LR	0-1.5 ppm
Hydrogen Peroxide HR	0-60 ppm
Hydrogen Peroxide Shock	0-225 ppm
Hydroquinone	0-2.0 ppm
Iodine	0-14 ppm
Iron, Bipyridyl	0-6 ppm
Iron (UDV)	0-10 ppm
Iron, 1,10-Phenanthroline	0-5.0 ppm
Lead	0-5.0 ppm
Manganese LR	0-0.7 ppm
Manganese HR	0-15.0 ppm
Mercury	0-1.5 ppm
Methylethylketoxime	0-3.0 ppm
Molybdenum HR	0-50 ppm
Nickel	0-8 ppm
Nitrate-Nitrogen HR	0-3.0 ppm
Nitrate TesTabs	0-60 ppm
Nitrite-Nitrogen LR	0-0.8 ppm
Nitrogen, Total	0-25 mg/L

Ozone LR	0-0.4 ppm
Ozone HR	0-2.5 ppm
pH, CPR	5-6.8
pH, PR	6.6-8.4
pH, TB	8-9.6
Phenol	0-6.0 ppm
Phosphate LR	0-3.0 ppm
Phosphate HR	0-70 ppm
Phosphorus, Total LR	0-3.5 ppm
Phosphorus, Total HR	0-100 ppm
Potassium	0-10 ppm
Silica HR	0-75 ppm
Silica LR	0-4.0 ppm
Sulfate HR	0-100 ppm
Sulfide LR	0-1.5 ppm
Surfactants	0-8 ppm
Tannin	0-10 ppm
Turbidity	0-400 FTU
Zinc LR	0-3.0 ppm

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