

PLEASE NOTE: We offer Hach products as a convenience to our customers. We do not make recommendations for, or troubleshoot problems with Hach products. We do not make any recommendations as to the suitability of Hach products and/or methods for any test. You should check with your individual State and Regulator as to whether they will accept the applicable Hach product/method for your application.

HACH POCKET COLORIMETER II

- ▶ Digital
- ▶ Waterproof
- ▶ Backlit Display
- ▶ Pre-calibrated
- ▶ Low Battery Indicator
- ▶ Comes in a ready to use kit, which includes reagents, sample cells, custom carrying case, and manual.



Chlorine, Free and Total	0.02 to 2.00 mg/l 0.1 to 8.0 mg/l (dual range)	H-58700-00	379.00
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Fluoride	0.1 to 2.0 mg/l	H-58700-05	399.00
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Phosphate	0.02 to 3.00 mg/l (as PO ₄)	H-58700-06	399.00
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CALIBRATEABLE COLORIMETERS

Can be calibrated with standards. These colorimeters can actually be zeroed **AND CALIBRATED** using a standard, which sets it apart from other colorimeters. The easy-to-read digits on the tilted LCD takes the guess work out of measurements. Simple, quick, inexpensive, and effective with 0.01 mg/l increments, many times better than the most sophisticated test kits. The microprocessor-based instruments featured in this section provide greater resolution, better accuracy, and immediate results.



FREE AND TOTAL CHLORINE CAL-CHECK COLORIMETER Specifications

Range	0.00 to 5.00 mg/l (Free & Total Cl ₂)
Resolution	0.01 mg/l
Precision	0.02 mg/l @ 1.00 mg/l
Light Source	Tungsten lamp @ 525 nm
Light Detector	Silicon Photocell
Battery Type/Life	9V/40 hours approx. Auto-shut off after 10 minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH 95%
Dimensions	8.5" x 3.3" x 2.5"
Weight	420 g (17 oz)
Method	Adaptation of the EPA recommended DPD method 330.5. and Standard Methods 4500-Cl G.

Supplied with 2 cuvetts and battery.

Description	NCL #	Price
Colorimeter	CH-957	193.50/ea
Powder reagent for 100 tests, FREE Cl ₂	CH-711A	17.10/pk
Powder reagent for 100 tests, TOTAL Cl ₂	CH-711B	17.10/pk
LIQUID reagent for 300 tests, FREE Cl ₂	CH-711C	18.00/set
LIQUID reagent for 300 tests, TOTAL Cl ₂	CH-711D	24.30/set
Set of Chlorine stds: 0, 1.0 mg/l, Free Cl ₂	CH-959F	129.00/set
Set of Chlorine stds: 0, 1.0 mg/l, Total Cl ₂	CH-959T	129.00/set



POCKET COLORIMETERS

• Fluoride •

Fluoride Colorimeter Specifications

Range	0.00 to 2.00 mg/l
Accuracy (@20°C/68°F)	±0.03 mg/l to 1.00 mg/l
EMC Deviation	±0.01 mg/l
Light Source	Tungsten Lamp
Light Life	Life of the instrument
Light Detector	Silicon Photocell w/ filter @ 575 nm
Battery Type/Life	9V/40 hours approx. of continuous use. Auto-shut off after 10 minutes of non-use.
Environment	0 to 50°C (32 to 122°F); RH 95%
Dimensions	7.6" x 4" x 2.6"
Weight	290 g (10 oz)
Method	Adaptation of the SPADNS method



Note:

Polyphosphates interfere with the SPADNS method for Fluoride. If your municipality is adding polyphosphates to the drinking water, you cannot use this or any other colorimeter or spectrophotometer for testing fluorides.

Description	NCL #	Price
Fluoride colorimeter	CF-729	305.10/ea
Reagent Kit for 300 tests	CF-729A	66.60/pk

• Phosphorus (ortho) •

Phosphate Colorimeter Specifications

Range	0.00 to 2.50 mg/l
Accuracy (@20°C/68°F)	±0.04 mg/l ±4% of reading
EMC Deviation	±0.01 mg/l
Light Source	Tungsten Lamp @ 890 nm
Light Life	Life of the instrument
Light Detector	Silicon Photocell w/ filter @ 610 nm
Battery Type/Life	9V/40 hours approx. of continuous use. Auto-shut off after 10 minutes of non-use.
Environment	0 to 50°C (32 to 122°F); RH 95%
Dimensions	7.6" x 4" x 2.6"
Weight	290 g (10 oz)
Method	Adaptation of the ascorbic acid method



Note:

This (or any other colorimeter or spectrophotometer) will give results only for phosphorus in the "ortho" form. The only way to get "Total Phosphorus" is to run a digestion. There is no way around this.

Description	NCL #	Price
Phosphate colorimeter	CP-713	182.70/ea
Reagent Kit for 300 tests	CP-713A	63.90/pk

ACCESSORIES FOR HANNA COLORIMETERS

(on this page & previous page)

Description	NCL #	Price
Cuvets (4/pk)	CH-958	16.20
Cuvet caps (4/pk)	CH-958A	8.10

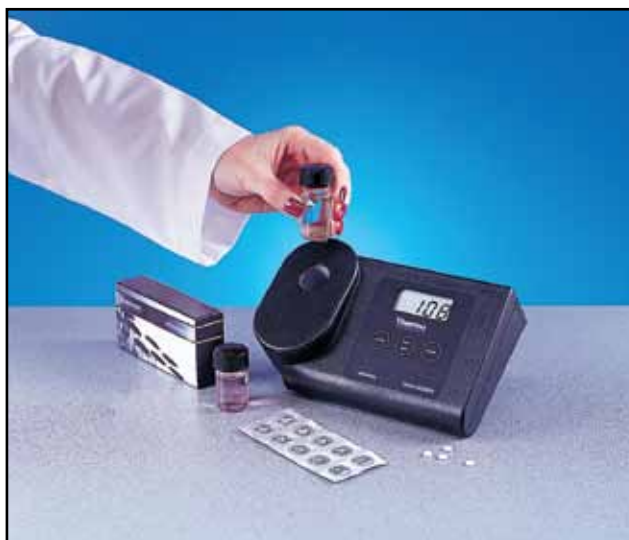
THERMO SCIENTIFIC ORION AQUAFAST® COLORIMETERS

SINGLE PARAMETER COLORIMETERS

Each kit includes:

- ✓ meter
- ✓ cuvetts
- ✓ case
- ✓ stir rod
- ✓ brush
- ✓ instructions
- ✓ tablets

- * EPA approval for Total Chlorine tablets and powders
- * Battery operated



Description	NCL #	Price
Chlorine kit (Free & total)	AQ-3070	379.00/ea
COD	AQ-2040	580.50/ea
Multiparameter	AQ-4000	947.50/ea

REPLACEMENT PARTS, STANDARDS, AND ACCESSORIES

Description	NCL #	Price
16 mm cuvetts	AC-2V16	64.00/pk of 10
24 mm cuvetts	AC-2V24	148.20/pk of 12
Chlorine std kit	AC-2073	104.50/set of 3
Free Chlorine tablets	AC-2071	16.00/pk of 100
Free Chlorine powder	AC-4P71	19.00/pk of 100
Free & Total Chlorine	AC-2070	15.00/pk of 50
Total Chlorine tablets	AC-2072	17.00/pk of 100
Total Chlorine powder	AC-4P72	19.00/pk of 100
COD ampules for 0-150 ppm	COD-L00	36.00/pk of 25
COD ampules for 0-1500 ppm	COD-H00	36.00/pk of 25
COD ampules for 0-15,000 ppm	COD-HP0	36.00/pk of 25
Fluoride tablets, 0.01-2.0 ppm	AC-2009	52.00/pk of 50
Nitrate tablets	AC-2007	25.00/pk of 50





POCKET COLORIMETERS

- Free & Total Chlorine •
- Fluoride •
- Phosphate •



SC-400 Chlorine kit



Orbeco SC-400 Colorimeters

Features:

- ✓ Waterproof
- ✓ Real-time clock
- ✓ Large, digital backlit display
- ✓ Powered by 9V battery (included)
- ✓ Factory pre-set, but can be user-calibrated
- ✓ 2 year warranty
- ✓ Optional calibration check standard (we highly recommend)
- ✓ Kits include colorimeter, carrying case, battery, 3 sample cells, reagents (where applicable), and manufacturer's instructions.

Chlorine		
Item Description	NCL #	Price
Kit (as shown) range 0.01-2.00 mg/l	SC-400	327.75
Free Cl ₂ refills (100 tests)	OH-100	17.00
Total Cl ₂ refills (100 tests)	OH-120	17.00
Calibration standard (2 year cert)	SC-275	50.55/set
Fluoride		
Kit - range 0.05-2.0 mg/l	SC-402	337.25
SPADNS Reagent (pint)	S-78	20.00
Phosphate		
Kit - range 0.05-2.5 mg/l	SC-405	337.25
Phosphate 3 Reagent PP, 100/pk	OH-550	23.10/pk

ACCESSORIES FOR OLDER ORBECO METERS 9421 CHLORINE AND 9425 FLUORIDE COLORIMETERS

Refills & Cuvets for the above		
Description	NCL #	Price
Free & Total Chlorine tablets, 50 of each	OH-9751	14.60
Fluoride refill kit, 50 tests	OH-9755	37.70
Replacement cuvetts & caps, pack of 4	OH-975TG	15.60



We are now a full line LaMotte dealer. Listed below is just a small sampling of the kits we offer. Please call if there are items you need that are not listed.



LaMotte Chlorine DPD Tablets & Reagents			
Tablets	NCL #	Price/pk	Price/cs
DPD #1 Rapid	LAM-DPD-1R	1.15/10	90.40/1000
DPD #4 Rapid	LAM-DPD-4R	1.15/10	90.40/1000



Reagents	Size	NCL #	Price/btl
DPD #1A	30 ml	LAM-1A-30	5.45
DPD #1A	60 ml	LAM-1A-60	8.40
DPD #1B	30 ml	LAM-1B-30	5.45
DPD #1B	60 ml	LAM-1B-60	8.40
DPD # 3	30 ml	LAM-3-30	6.75
DPD # 3	60 ml	LAM-3-60	9.55

Description	Size	LaMotte #	NCL #	Price
Test tubes with caps, for Model 1200 colorimeter	pk of 6	0290-6	LAM-0290	27.85/pk
Test tubes with caps, colorimeter	pk of 6	0967-6	LAM-0967	19.55/pk
PWB-3 Demineralizer bottle with instructions	60 ml	1151	LAM-1151	14.70/btl
Sulfo Orange Indicator, pH 11.0 - 12.6	30 ml	2216-L	LAM-2216	6.50/btl
Phosphate Test Kit (color comparator), 0.5 to 100 ppm	each	3114-01	LAM-3114	89.00/ea
Chlorine colorimeter, Free & Total, 0 to 4.0 ppm, uses liquid reagents	each	3670-01-LI	LAM-3670	355.00/ea
Fluoride colorimeter, 0 to 2.0 ppm	each	3674-01	LAM-3674	399.00/ea
Alkalinity Indicator #2, pH = 4.5	15 ml	3869-E	LAM-3869	7.25/btl
Alkalinity Indicator #1, pH = 8.3	15 ml	3870-E	LAM-3870	6.80/btl
Sodium hydroxide reagent, w/metal inhibitor	15 ml	4259-E	LAM-4259	5.50/btl
Hardness reagent 7	60 ml	4487DR-H	LAM-4487	6.50/btl
Alkalinity titration reagent	60 ml	4493DR-H	LAM-4493	6.95/btl
Chlorine Test Kit (1 drop = 1 ppm)	each	4501	LAM-4501	43.10/ea
Chlorine DPD #4R tablets	cs of 1000	6899-M	LAM-DPD-4R	90.40/cs
Chlorine DPD #1R tablets	cs of 1000	6999-M	LAM-DPD-1R	90.40/cs
Free Chlorine DPD #1A reagent	30 ml	P-6740-G	LAM-1A-30	5.45/btl
Free Chlorine DPD #1A reagent	60 ml	P-6740-H	LAM-1A-60	8.40/btl
Free Chlorine DPD #1B reagent	30 ml	P-6741-G	LAM-1B-30	5.45/btl
Free Chlorine DPD #1B reagent	60 ml	P-6741-H	LAM-1B-60	8.40/btl
Free Chlorine DPD #3 reagent	30 ml	P-6743-G	LAM-3-30	6.75/btl
Free Chlorine DPD #3 reagent	60 ml	P-6743-H	LAM-3-60	9.55/btl
Phosphate acid reagent	60 ml	V-6282-H	LAM-6282	9.70/btl
Phosphate reducing reagent	5 gram	V-6283-C	LAM-6283	7.95/btl



TEST KITS AND SUPPLIES

CHEMETS® VISUAL COLOR COMPARATORS

These visual color comparators are often used for controlling swimming pools, boiler chemistry, and other less-critical applications. For water and wastewater chemistry, they are useful for screening samples, but should not be used for reporting purposes.

Test kits listed here contain everything you will need to perform the test: case, comparator, sample cup, instructions, 30 ampules, and accessory solutions (when required). Refill kits contain 30 ampules and accessory solutions (when required).

Note: Comparators have a shelf-life of two years.



Analyte & Range (ppm)	MDL (ppm)	Kit		Refill		Comparator		
		NCL#	Price	NCL#	Price	ppm	NCL#	Price
Ammonia, 1 to 10.0	0.05	CK-1510	58.40	CR-1501	25.95	0 to 1 1 to 10	CC-1501 CC-1510	12.10 17.50
Chlorine, F & T, 0 to 5.0	0.05	CK-2504	57.10	CR-2500	23.25	0 to 1 1 to 5	CC-2504 CC-2506	12.10 17.50
Chromate, hex 0 to 10.0	0.05	CK-2810	57.10	CR-2810	23.25	-----	-----	-----
Iron, 0 to 10.0	0.05	CK-6010	57.10	CR-6001	23.25	0 to 1 1 to 10	CC-6001 CC-6010	12.10 17.50
Manganese, 0 to 2.0	0.15	CK-6502	40.90	CR-6502	24.30	0 to 2	CC-6502	12.10
Nitrate, 0 to 5.0	0.05	CK-6904	62.55	CR-6902	33.75	-----	-----	-----
Nitrite, 0 to 2.0	0.025	CK-7004	48.75	CR-7002	24.30	0 to 2	CC-7004	17.50
Sulfide, 0 to 10.0	0.05	CK-9510	57.10	CR-9510	24.30	0 to 1 1 to 10	CC-9501 CC-9510	12.10 17.50

ACCESSORY REAGENTS FOR CHEMETS® KITS

Replacement quantities of accessory reagents, ordered separately, typically are sufficient for 360 tests. Six bottles per pack.

Analyte	Solution Type	NCL #	Price/pk
Ammonia	Stabilizer	CA-1500	8.80
Chlorine	Activator	CA-2500	8.80
Chlorine	Neutralizer	CA-2501	8.80
Iron	Activator	CA-6000	14.80
Sulfide	Activator	CA-9500	14.80

TEST KITS AND SUPPLIES

VACU-VIALS®

Vacu-vials® ampules are 13 mm in diameter with a tapered, prescored tip. Color forming reagents are vacuum sealed inside. They can be used in any instrument that accepts 13 mm cells. Vacu-vials® can be used in the following instruments:

- ♦ Hach DR Spectrophotometers
- ♦ Genesys 10 and 20 Spectrophotometers
- ♦ Any other instrument that accepts 13 mm cells

Test kits contain: 30 ampules, calibration charts, a zero standard, accessory solutions (when necessary), a sample cup and instructions. Refills no longer available for these kits.

No endorsement of Vacu-vials® ampules by Hach Company, Spectronics, or LaMotte Company is implied or intended in connection with their respective instruments.



Analyte & Range (ppm)	MDL (ppm)	Kit	
		NCL#	Price/ea.
Ammonia, 1 to 7.0	0.20	CK-1503	27.80
Chlorine, F & T, 0 to 6.0	0.08	CK-2513	26.50
Iron, 0 to 2.5	0.08	CK-6023	26.50
Nitrate, 0 to 3.0	0.16	CK-6923	38.95
Nitrite, 0 to 0.8	0.01	CK-7003	26.50
Oxygen, 0 to 15	0.4	CK-7513	27.80
Sulfide, 0 to 3.0	0.12	CK-9523	26.50
Zinc, 0 to 6.0	0.14	CK-9923	26.50

COD DIGESTION VIALS (CONTAIN MERCURY) US EPA APPROVED METHOD

Range (ppm)	# of Tests	MDL (ppm)	NCL #	Price/pk
0-150	25	10	COD-7350	29.95
0-150	150	10	COD-7355	148.50
0-1500	25	30	COD-7360	29.95
0-1500	150	30	COD-7365	148.50
0-15000	25	300	COD-7370	29.95
0-15000	98	300	COD-7375	99.00

COD DIGESTION VIALS (MERCURY-FREE) FOR PLANT CONTROL ONLY

Range (ppm)	# of Tests	MDL (ppm)	NCL #	Price/pk
0-150	25	10	COD-7351	29.95
0-150	150	10	COD-7356	148.50
0-1500	25	30	COD-7361	29.95
0-1500	150	30	COD-7366	148.50
0-15000	25	300	COD-7371	29.95
0-15000	98	300	COD-7376	99.00

