



DC1500 Colorimeter Series



- Ammonia
- Nitrogen
- Chlorine (Free & Total)
- Chlorine Dioxide
- Copper
- Fluoride
- Iron
- Molybdenum
- Ozone
- Phosphate
- Sulfate

Tablet or Liquid Versions



Waterproof



USB Capable



Rechargeable

Industry-Leading Precision, Sensitivity, & Dependability!

STANDARD
METHODS
4500

IP67
WATERPROOF

EPA
330.5

2
YEAR
WARRANTY

CE

durable
 CASE

DC1500 Colorimeter Kits

- **Field & Lab Use:** USB cable and wall adapter included; car charger optional
- **Rechargeable battery:** No need to buy batteries again
- **EPA Compliant:** Uses proper wavelength and DPD test method to meet EPA design specifications for NPDWR and NPDES chlorine monitoring programs [EPA 330.5 and Standard Method 4500]
- **0-4 ppm Chlorine:** No need to select a low or high range. The DC1500 covers the entire critical chlorine range of 0-4 ppm with an MDL of 0.03 ppm
- **A Great Value:** Complete, economical package! The DC1500 Chlorine Colorimeter Kit includes tablets for 100 tests or liquid reagents for 140 tests, six sample vials, and a sturdy carrying case.
- **IP67 Waterproof Design:** Designed with excessive exposure to moisture in mind, the DC1500 colorimeter delivers trouble-free performance
- Bold, backlit display
- European CE Mark
- USB port



Features include:

- Large graphical liquid crystal display
- Simple, menu-driven operation
- Lithium ion rechargeable battery and computer/wall adapter
- IP67 Waterproof
- Backlit display
- Auto-off
- USB port
- European CE mark

Additional advancements include:

- Superior narrow bandwidth interference filters
- Optional software for data storage and manipulation

Available Kits:

Test Factor	Code	Model	Range [ppm]	Detection Limit	Test Method [# of reagents]	# of Tests	Ship Codes
Ammonia Nitrogen	3241	DC1500-NH	0-5.0	0.05	Nessler [2]	60	R1
Chlorine (Free & Total)	3240	DC1500-CL	0-4.0	0.05	DPD Tablets [2]	100	NH
Chlorine (Free & Total)	3240-LI	DC1500-CL-LI	0-4.0	0.05	DPD Liquid [3]	140	R1
Chlorine Dioxide	3244	DC1500-CLO	0-7.0	0.05	DPD with Glycine Solution [2]	100	NH
Copper	3245	DC1500-CO	0-6.0	0.03	Diethyldithiocarbamate [1]	100	NH
Fluoride	3243	DC1500-FL	0-2.0	0.1	Alizarin-Zirconyl [2]	100	LQ
Iron	3248	DC1500-FE	0-5.0	0.25	1,10 Phenanthroline [2]	100	R1
Molybdenum	3246	DC1500-MO	0-30	0.5	Thioglycolate [3]	50	R3
Ozone	3249	DC1500-OZ	0-0.4	0.04	Indigo Blue [3]	100	NH
Phosphate	3242	DC1500-PLR	0-3.0	0.07	Ascorbic Acid [2]	100	R2
Sulfate	3247	DC1500-SU	0-100	1.0	Barium Chloride [1]	100	R1

Also available: Model 1500-UDV Absorbance Meter

For 10mm cuvettes
Order Code 3250



Meter Specifications:

Readout:	160 x 100 backlit LCD, 20 x 6 line graphical display
Wavelength Accuracy:	±2% FS
Wavelength Bandwidth:	10 nm typical
Light Source:	LED
Detector:	Silicon photodiode with integrated interference filter
Modes:	Pre-programmed test, absorbance, %T
Languages:	English, Spanish, French, Portuguese, Italian, Chinese, Japanese
Sample Chamber:	25 mm diameter flat bottom test tubes
USB Port:	Mini USB
Power:	Lithium ion rechargeable battery, 3.7v, 2.5 x .75 inches, 1.7 oz. or USB computer cable or wall adapter
Battery:	Charge Life: Approx. 380 tests with backlight on to 1000 tests with backlight off.
Battery Life:	Approx. 500 charges
Auto Shut-off:	Disabled, 5, 10, 50 minutes
CE Mark:	Yes
Shipping Weight	8 lbs
Shipping Size [LxWxH]	17 x 16 x 9



Replacement Reagents for DC1500 Chlorine



Liquid Reagents

30 mL (1 oz.)	Code	Ship Code	60 mL (2 oz.)	Code	Ship Code
DPD 1A	P-6740-G	NH	DPD 1A	P-6740-H	NH
DPD 1B	P-6741-G	R2	DPD 1B	P-6741-H	R2
DPD 3	P-6743-G	NH	DPD 3	P-6743-H	NH

Tablet Reagents

Tablet	50	100	1000	Ship Code
Chlorine DPD #1 Instrument*	6903A-H	6903A-J	6903A-M	NH
Chlorine DPD #3 Instrument*	6197A-H	6197A-J	6197A-M	NH
Chlorine DPD #4 Instrument*	6906A-H	6906A-J	6906A-M	NH

* Instrument DPD featuring new ultra-clear fast dissolving tablets.



Easier push-thru packaging!



DPD Powder Pop® Dispenser

LaMotte now offers the Powder Pop Dispenser – a hand held, single-dose dispenser for 10 mL samples that delivers a precise pre-measured dose of DPD reagent directly to your sample. Each Powder Pop kit includes enough reagent for 400 tests.

To Order:

Free Chlorine Powder Pop Dispenser [Order Code 3-0032]

Total Chlorine Powder Pop Dispenser [Order Code 3-0033]

Chlorine Standards

Secondary standards provide a fast way to check calibration without the burden of making primary standards. Based on Standard Methods for the Examination of Water and Wastewater, the operator can calibrate a colorimeter using a permanganate primary standard or a chlorine primary standard. Once the meter is calibrated using the primary standard, the operator can insert secondary standards periodically to evaluate the calibration of the instrument.

- Secondary standard kit contains a blank and 3 standards for low, mid-range, and high chlorine calibrations.
- Packaged in a small plastic case with Certificate of Analysis stating range of each standard.



To Order:

DPD Chlorine Secondary Standards, Order Code 4140-02

FAS-DPD Titration Kit for Chlorine Titration, Order Code 3176-02

Standard Chlorine Solution, 250 ppm, Order Code 6973-H (60 mL), Order Code 6973-L (475 mL)

Permanganate Solution, 1000 ppm, Order Code 3858-H (60 mL)



LaMotte Company · PO Box 329 · Chestertown · Maryland · 21620 · USA
t: 800-344-3100 · 410-778-3100 · f: 410-778-6394 · www.lamotte.com