

Model 1500 · Single Test Colorimeter Labs

 **Waterproof**  **USB Capable**  **Rechargeable**

The 1500 Series of single test, direct reading colorimeters incorporates design advances that enhance reliability, improve accuracy, and simplify the calibration process, all in a portable, hand-held package.



Instrument Type:	Single wavelength, direct-reading colorimeter
Readout:	3½ digit LCD
Wavelength Accuracy:	±2%FS
Detector:	Silicon Photodiode with integrated interface filter
Sample Chamber:	Accepts 25mm diameter flat-bottom, screwcap tubes (6 included)
Light Source:	LED
Interface:	USB port
Power:	Lithium ion rechargeable battery
Size [LxWxH]:	17 x 16 x 9 cm, 6.9 x 3.25 x 2.5 inches



Order Code 3240 (tablet)
Order Code 3240-LI (liquid)

Options:

USB Cable (Order Code 1720)
Wall Plug (Order Code 1721)
Replacement Tubes (Order Code 0290-6)

- **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

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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 band-width interference filters

AVAILABLE TESTS

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

ALSO AVAILABLE

Model 1500-UDV 568 nr Absorbance Colorimeter

For 10mm cuvettes

Order Code 3250



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

Model 1500 & 1500 UDV · Absorbance Colorimeters

Replacement Reagents for 1500 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 for Model 1500 & SMART3

For use with the 1500 series and SMART3 chlorine colorimeters. 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.

For a complete listing of
STANDARDS
SEE PAGE 93

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)