

Model 1200 • SINGLE TEST COLORIMETER LABS

The 1200 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.

<i>Instrument Type:</i>	Single wavelength, direct-reading colorimeter
<i>Readout:</i>	3½ digit LCD
<i>Photometric Accuracy:</i>	±0.001 Absorbance Unit
<i>Detector:</i>	Silicon Photodiode
<i>Sample Chamber:</i>	Accepts 25mm diameter flat-bottom, tubes with screwcaps (6 included)
<i>Light Source:</i>	LED
<i>Interface:</i>	RS-232 serial interface
<i>Power:</i>	Alkaline 9-volt DC battery, 3.5 mm jack for optional AC adapter
<i>Size (LxWxH):</i>	15 x 8 x 5.5 cm 6 x 3 ¼ x 2 ½ inches 152 x 83 x 64 mm



INSTRUMENTATION

OPTIONS:

- **RS232 Cable** • ORDER CODE 1772
- **AC Adapter 110/220V** • ORDER CODE 1754
- **Accessories/Replacement Tubes** • ORDER CODE 0290-6

AUTO-ZERO

Simply insert the sample blank and press the zero key. No more dialing in the zero.

HINGED LIGHT COVER

Flip-top lid over sample chamber prevents any stray light, especially in the field, and avoids misplacing separate light caps.

IMPROVED ACCURACY

The microprocessor enables the factory programmed calibrations to optimally match non-linear curves.

EUROPEAN CE MARK

The 1200 has been independently tested and has earned the European CE Mark of compliance for electromagnetic compatibility and safety.

WATER RESISTANT DESIGN

Designed with excessive exposure to moisture in mind, the 1200 colorimeters deliver trouble-free performance in the field and lab.

EPA COMPLIANT

Employing the proper wavelength and the DPD test method, the 1200 Chlorine Colorimeter Kit meets or exceeds EPA design specifications for NPDWR and NPDES chlorine monitoring programs (EPA 330.5).

A GREAT VALUE!

Complete, economical package! The 1200 Chlorine Colorimeter Kit comes with enough tablets for 100 tests or liquid reagents for 140 tests, six sample vials with screw caps, instruction manual, and sturdy carrying case.

FIELD & LAB USE

An optional AC adapter is available to save battery life when in the laboratory.

0-4 PPM CHLORINE

No need to select a low or high range. The 1200 covers the entire critical chlorine range of 0-4 ppm with a 0.05 sensitivity.

RS-232 INTERFACE

An RS-232 port is provided to interface with a datalogger or computer. Optional cable available.

LARGE DISPLAY

The large 3½ digit display presents measurements in absorbance, and indicates low battery warnings.

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Single Test Colorimeter Kits

Test Factor	Order Code	Model	Range (ppm)	Detection Limit	Test Method (# of reagents)	Ship Codes
Ammonia Nitrogen	3680-01	DC1200-NH	0–5.0	0.05	Nessler (2)	R1
Bromine	3672-01	DC1200-BR	0–7.0	0.05	DPD Tablets (1)	NH
Chlorine (Free & Total)	3670-01	DC1200-CL	0–4.0	0.05	DPD Tablets (2)	NH
Chlorine (Free & Total)	3670-01-LI	DC1200-CL-LI	0–4.0	0.05	DPD Liquid (3)	R1
Chlorine Dioxide	3671-01	DC1200-CLO	0–7.0	0.05	DPD with Glycine Solution (2)	NH
Copper	3673-01	DC1200-CO	0–6.0	0.03	Diethyldithiocarbamate (1)	NH
Fluoride	3674-01	DC1200-FL	0–2.0	0.028	Alizarin-Zirconyl (2)	HF
Iron	3681-01	DC1200-FE	0–4.0	0.25	1,10 Phenanthroline (2)	R1
Manganese	3682-01	DC1200-MN	0–0.7	0.02	PAN (3)	R2
Molybdenum	3676-01	DC1200-MO	0–30	0.5	Thioglycolate (3)	R3
Nitrate Nitrogen	3677-01	DC1200-NA	0–3.0	0.05	Cadmium Reduction (2)	R1
Ozone	3678-01	DC1200-OZ	0–0.4	0.04	Indigo Blue (3)	NH
Phosphate	3679-01	DC1200-PLR	0–3.0	0.07	Ascorbic Acid (2)	R2
Sulfate	3683-01	DC1200-SU	0–100	1.0	Barium Chloride (1)	R1

Replacement Reagents for 1200

30 MI (1 oz.)	Code	Ship Code	60 MI (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	Quantity/Order Code			Ship Code
	50	100	1000	
Chlorine DPD #1 Rapid	6999A-H	6999A-J	6999A-M	NH
Chlorine DPD #1 Instrument	6903A-H	6903A-J	6903A-M	NH
Chlorine DPD #3 Rapid	6905A-H	6905A-J	6905A-M	NH
Chlorine DPD #3 Instrument	6197A-H	6197A-J	6197A-M	NH
Chlorine DPD #4 Rapid	6899A-H	6899A-J	6899A-M	NH
Chlorine DPD #4 Instrument	6906A-H	6906A-J	6906A-M	NH



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