



Single Test Colorimeter Labs

LaMotte 1200

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.

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

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

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.

Field & Lab: Use An optional AC adapter is available to save battery life when in the laboratory.

Large Display: The large 3-1/2 digit display presents measurements in absorbance, and indicates low battery warnings.

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

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



Specifications

Instrument Type	Single wavelength, direct-reading colorimeter
Readout	3-1/2 digit LCD
Photometric	±0.001 Absorbance
Accuracy	Unit
Detector	Silicon Photodiode
Sample Chamber	Accepts 25mm diameter flat-bottom, tubes with screwcaps (6 Included)
Light Source	LED
Interface	RS-232 serial interface
Power	Alkaline 9-volt DC battery, 3.5 mm jack for optional AC adapter
Size (LxWxH)	15 x 8 x 5.5 cm; 6 x 3-1/4 x 2-1/2 inches

Ordering Information

ITEM	TEST FACTOR	RANGE (PPM)	DETECTION LIMIT	TEST METHOD (# OF REAGENTS)
3680-01	Ammonia Nitrogen	0-5.0	0.05	Nessler (2)
3672-01	Bromine	0-7.0	0.05	DPD Tablets (1)
3670-01	Chlorine (Free & Total)	0-4.0	0.05	DPD Tablets (2)
3670-01-LI	Chlorine (Free & Total)	0-4.0	0.05	DPD Liquid (3)
3671-01	Chlorine Dioxide	0-7.0	0.05	DPD with Glycine Solution (2)
3673-01	Copper	0-6.0	0.03	Diethyldithiocarbamate (1)
3674-01	Fluoride	0-2.0	0.028	Alizarin-Zirconyl (2)
3681-01	Iron	0-4.0	0.25	1,10 Phenanthroline (2)
3682-01	Manganese	0-0.7	0.02	PAN (3)
3676-01	Molybdenum	0-30	0.5	Thioglycolate (3)
3677-01	Nitrate Nitrogen	0-3.0	0.05	Cadmium Reduction (2)
3678-01	Ozone	0-0.4	0.04	Indigo Blue (3)
3679-01	Phosphate	0-3.0	0.07	Ascorbic Acid (2)
3683-01	Sulfate	0-100	1.0	Barium Chloride (1)