

1200 Colorimeter Series

Single Test Direct Reading Colorimeter



The new 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.



- Designed with excessive exposure to moisture in mind, the 1200 colorimeters deliver trouble-free performance in the field and lab
- The microprocessor enables the factory programmed calibrations to optimally match non-linear curves
- Simply insert the blank sample and press the ZERO key
- No more dialing in the zero, ▼ and ▲ keys enable easy calibration to a standard for compliance monitoring
- Flip-top lid over sample chamber prevents any stray light, especially in the field, and avoids misplacing separate light caps
- The large 3½ digit display presents measurements in actual ppm concentration, and indicates low battery warnings
- An RS-232 port is provided to interface with a datalogger or computer
- The 1200 has been independently tested and has earned the European CE Mark of compliance for electromagnetic compatibility and safety
- An optional AC adapter is available to save battery life when in the laboratory

<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 25 mm diameter flat-bottom capped test tubes (included)
<i>Light Source:</i>	LED
<i>Interface:</i>	RS-32 serial interface
<i>Power:</i>	Alkaline 9V DC power battery, 3.5 mm jack for optional AC adapter
<i>Size (LxWxH)</i>	8 x 15 x 5.5 cm 3¼ x 6 x 2½ inches



1200 Digital Chlorine Analyzer Kit

The 1200 Chlorine Colorimeter Kit uses our unit-dose DPD tablets or DPD liquid reagents. In addition to the features described for the 1200 Colorimeter on the reverse side, the 1200 Chlorine Colorimeter Kit offers these features...

- Employing the proper wavelength and the DPD test method, the 1200 Chlorine Colorimeter Kit meets or exceeds EPA design specification for NPDWR and NPDES chlorine monitoring programs (EPA 330.5).
- 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.
- Complete, Economical Package! The 1200 Chlorine Colorimeter Kit comes with enough tablets for 100 tests or liquid reagents for 140 tests, six screw cap sample vials, instruction manual, and sturdy carrying case.



3670-01

Other Single Test Colorimeter Kits Available...

Test Factor	Order Code/ Model	Range (ppm)	Detection Limit	Test Method (# Reagents)
Ammonia Nitrogen	3680-01 / DC1200-NH	0–5.00	0.05	Nessler (2)
Bromine	3672-01 / DC1200-BR	0–7.00	0.05	DPD Tablets (1)
Chlorine (Free & Total)	3670-01 / DC1200-CL	0–4.00	0.05	DPD Tablets (2)
Chlorine (Free & Total)	3670-01-LI / DC1200-CL-LI	0–4.00	0.05	DPD Liquid (3)
Chlorine Dioxide	3671-01 / DC1200-CLO	0–7.00	0.05	DPD with Glycine Solution (2)
Copper	3673-01 / DC1200-CO	0–6.00	0.03	Diethyldithiocarbamate (1)
Fluoride	3674-01 / DC1200-FL	0–2.00	0.03	Alizarin-Zirconyl (2)
Iron	3681-01 / DC1200-FE	0–4.00	0.25	1–10 Phenanthroline (2)
Manganese	3682-01 / DC1200-MN	0–0.70	0.012	PAN (3)
Molybdenum	3676-01 / DC1200-MO	0–30.0	0.5	Thioglycolate (3)
Nitrate Nitrogen	3677-01 / DC1200-NA	0–3.00	0.05	Cadmium Reduction (2)
Ozone	3678-01 / DC1200-OZ	0–0.40	0.04	Indigo Blue (3)
Phosphate	3679-01 / DC1200-PLR	0–3.00	0.07	Ascorbic Acid (2)
Sulfate	3683-01 / DC1200-SU	0–100.0	1.0	Barium Chloride (1)
Ozone	3598	0-3.00	0.03	DPD Liquid (3)



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