



# Environmental Express Colorimeters

Easily measure water samples in the field or on the bench with confidence

- Easy to navigate interface for operation at any skill level
- Preprogrammed testing ranges easily accessed for quick measurement
- One-time zero function for water sample saves you time—no need to re-zero after each test
- Automatically stores the last 16 readings with time-and-date stamp for reliable chain of custody tracking
- Rugged, waterproof IP68-rated design adapts to use in the field, treatment plant, or lab bench



+1.800.343.5319

[environmentalexpress.com](http://environmentalexpress.com)



# Chlorine 200 Colorimeter

Easily measure water samples for free and/or total chlorine in the field or on the bench

- Rugged, portable design adapts to use in the field or on your lab bench
- Simplistic user interface for easy operation at any skill level
- Preprogrammed testing ranges for free, total, and combined chlorine easily accessed for quick measurement (from 0.02 mg/L to 8 mg/L)
- Single or multi point calibration to match simple or complex sample requirements
- Auto zero function removes the need for re-zeroing the meter between sample measurements saving time in the field
- IP68-rated waterproof design ensures watertight protection for up to 1 hour
- High-quality optical system quickly delivers accurate reliable results removing the need for rechecks
- Automatic storage of testing records for up to 16 readings with time-and-date stamp for accurate record keeping

Model CL 200 colorimeter is supplied ready to use with two preprogrammed testing ranges for free, total, and combined chlorine. Both ranges use the DPD testing method. When the instrument is turned on, it will automatically display the last test used with readings in ABS or %T units. Simply select the measuring range, prepare your sample, and test. Primary and secondary standards are available for on-site verification of instrument performance.

## Specifications

Preprogrammed testing ranges:

CL2: 0.02 to 2 mg/L; 530 nm, 24 mm dia cell size

CL8: 0.1 to 8 mg/L; 530 nm, 10 mm dia cell size

Wavelength accuracy: ±1 nm

Photometric range: -2.5 to +2.5 ABS

Photometric accuracy: ±3% full-scale (T = 20°C to 25°C)

Chemical method: DPD

Light source: LEDs and interference filters

Display: backlit LCD

Memory (internal): 16 data sets with time-and-date stamp

Dimensions (L x W x H): 6 1/8" x 3" x 1 3/8"  
(15.5 x 7.5 x 3.5 cm)

Power: four AAA batteries

Auto-off function: yes



Model	Parameter	Item number
CL 200	Free, total, and combined chlorine	99561-78



## Included in the kit:

100 free chlorine powder reagent packs, 100 total chlorine powder reagent packs, three glass (24 mm dia) sample cells with lid, two plastic (10 mm dia) sample cells with lid, light shielding rings, brush, carrying case, and four AAA batteries.

## Model 200 COD Colorimeter

Confidently measure chemical oxygen demand (COD) of wastewater samples in the field or on the bench

- Rugged, portable design adapts to use in the field, treatment plant, or lab bench
- Simplistic user displays for easy operation at any skill level
- Preprogrammed testing ranges easily accessed for quick measurement (see below)
- High-quality optical system quickly delivers repeatable and accurate measurement for confident wastewater effluent screening
- Single or multi point calibration supporting various compliance requirements

### Specifications

Preprogrammed testing ranges:

Low range\*: 3 to 150 mg/L, 430 nm

Middle-low range\*: 15 to 300 mg/L, 430 nm

Middle range\*: 20 to 1500 mg/L, 610 nm

High range: 200 to 15,000 mg/L, 610 nm

Wavelength accuracy:  $\pm 1$  nm

Photometric range:  $-2.5$  to  $+2.5$  ABS

Photometric accuracy:  $\pm 3\%$  full-scale  
(T = 20°C to 25°C)

Chemical method: dichromate/H<sub>2</sub>SO<sub>4</sub>

Light source: LEDs and interference filters

Display: backlit LCD

Memory (internal): 16 data sets with  
time-and-date stamp

Dimensions (L x W x H): 6 $\frac{1}{8}$ " x 3" x 1 $\frac{3}{8}$ "  
(15.5 x 7.5 x 3.5 cm)

Power: four AAA batteries

Auto-off function: yes

\*Meets ISO 15705:2002



Model	Parameter	Item number
COD 200	Chemical oxygen demand (COD)	99561-84

### Included in the kit:

Vial/tube adapter for 16 mm vials, two syringes (1 mL and 2 mL), carrying case, and four AAA batteries.



### Prefilled COD Reagent Vials

EPA compliant	Range mg/L (ppm)	Number of tests	Item number
Yes (contains mercury)	0 to 150	100	35200-02
	3 to 150	25	99562-05
	15 to 300	25	99562-07
	0 to 1500	100	35200-03
	20 to 1500	25	99562-09
	0 to 15,000	98	35200-04
No (mercury free)	200 to 15,000	25	99562-11
	0 to 150	100	35200-08
	0 to 1500	100	35200-09
	0 to 15,000	98	35200-10

# COD Workflow

## COD Sample Preparation



**COD Digestion Vials**  
EPA Approved



**HotBlock® COD Reactor**  
Digest 56 samples at one time, making analysis easier and lowering testing costs



**Standard COD Vials**  
Vials for non-NPDES sample analysis

## COD Analysis



**Model 200 COD Colorimeter**  
Confidently measure chemical oxygen demand (COD) of wastewater samples in the field or on the bench



**COD Standards**  
Primary standard-grade potassium hydrogen phthalate offered in two stock concentrations



Scan the QR code to find out more about our products for COD preparation and analysis.

USA: +1.800.343.5319  
sales@environmentalexpress.com

UK: +44 (0) 1480.272279  
environmentalexpressEMEA@antylia.com

Canada: +1.800.363.5900  
China: +86.21.5109.9909  
France: +33 (0) 1486 37800  
Germany: +49 (0) 9377 92030

India: +1.800.266.1244  
Italy: +39 (0) 1313 89513  
All other countries: +1.843.881.6560

