

# C201, C301 and C401 Multiparameter Colorimeters

## Multiparameter measurement for convenient field testing

**Convenient, foil pack reagents** – Follows US EPA method 330.5 for wastewater, and Standard Method 4500-Cl G for drinking water

**Simple to use** – One-time blanking for multiple measurements

**Waterproof and dustproof IP67 housing** – Even the sample chamber is waterproof

**Compact size** – Take your Oakton colorimeter anywhere!

**No detachable parts and no light shield required** – Vial cap prevents stray light from affecting readings

**Large, easy-to-read display** – Large, custom LCD displays readings with units of measure and user-friendly message codes that guide meter operation

**Advanced power-supply management** – Measures over 1200 samples with a single set of batteries, delivering quick, stable results in less than six seconds. Also features auto-off function.

**Sturdy carrying case with accessories** – Compact carrying case includes all items necessary for colorimeter measurements and protects the meter when not in use



Colorimeters include  
case and reagents



## Specifications

Model	C201 colorimeter	C301 colorimeter	C401 colorimeter
<b>Chlorine (free and total)</b>			
Range	0 to 1.99 ppm; 2.0 to 6.0 ppm	0 to 1.99 ppm; 2.0 to 6.0 ppm	0 to 1.99 ppm; 2.0 to 6.0 ppm
Resolution	0.01 ppm; 0.1 ppm	0.01 ppm; 0.1 ppm	0.01 ppm; 0.1 ppm
Accuracy	±0.02 ppm, ±0.2 ppm	±0.02 ppm, ±0.2 ppm	±0.02 ppm, ±0.2 ppm
<b>pH</b>			
Range	—	5.9 to 8.2 pH	5.9 to 8.2 pH
Resolution	—	0.1 pH	0.1 pH
Accuracy	—	±0.1 pH	±0.1 pH
<b>Cyanuric acid</b>			
Range	—	—	5 to 90 ppm
Resolution	—	—	1 ppm
Accuracy	—	—	1 ppm

**Light source:** light emitting diode (LED)

**Wavelength:** 525 nm

**Detector:** silicon photodiode

**Absorbance range:** 0 to 2.5 Abs

**Photometric precision:** ±0.0015 Abs

**Calibration points:** user-selectable, one point per colorimetric test

**Sample volume required:** 10 mL (0.33 oz)

**Display:** 4-digit, 14-segment, customized LCD with annunciators

**Operating temperature range:** 0 to 50°C (32 to 122°F)

**Operating humidity range:** 0 to 90% RH, noncondensing at 30°C (86°F)

**Power supply:** four AAA alkaline batteries (included)

**Battery life:** >3000 tests

**Electromagnetic compliance:** (EMC) EN 61326

### Dimensions

**Meter:** 6 1/8" L x 2 5/8" W x 1 3/4" H (15.5 x 6.8 x 4.6 cm)

**Meter with case:** 13 3/4" x 6 1/4" x 4 3/4" (35 x 16 x 12 cm)

### Weight

**Meter:** 7 oz (200 g); **Meter with case:** 2.75 lb (1.25 kg)



Drinking Water



Swimming Pools

## Ordering Information

Catalog number	Description	Included
WD-35645-20	C201 chlorine colorimeter kit	Meter, foil pack reagents (100 each for free chlorine and total chlorine), sample vials, batteries, and hard carrying case
WD-35645-30	C301 chlorine/pH colorimeter kit	Meter, foil pack reagents (100 each for free chlorine and total chlorine), pH dropper bottle reagent (50 tests), sample vials, batteries, and hard carrying case
WD-35645-40	C401 chlorine/pH/cyanuric acid colorimeter kit	Meter, foil pack reagents (100 each for free chlorine, total chlorine, and cyanuric acid), pH dropper bottle reagent (50 tests), sample vials, batteries, and hard carrying case

## Replacement Reagents and Secondary Standards

**WD-35645-60 pH reagent** includes dropper bottle with reagent for 50 tests

**WD-35645-62 Cyanuric acid reagent** includes individual foil packs for 100 tests

**WD-35645-64 Free chlorine reagent** includes individual foil packs for 100 tests

**WD-35645-66 Total chlorine reagent** includes individual foil packs for 100 tests

**WD-35645-70 Chlorine secondary standard**, includes set of four vials