



OAKTON®

WATERPROOF COLORIMETERS

AFFORDABLE WATER QUALITY
ANALYSIS MADE EASY



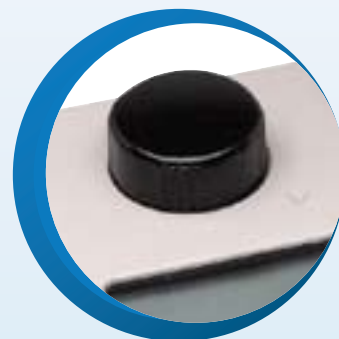
 **Cole-Parmer®**
Delivering Solutions You Trust

Oakton® Waterproof Colorimeters

MAKE OAKTON WATERPROOF COLORIMETERS YOUR FIRST CHOICE FOR QUALITY!

For over 16 years, Oakton Instruments has set the standard for technical innovation and product quality. From their introduction in 1991 of the world's first microprocessor-based, pocket-sized pH meter, to this technically superior waterproof colorimeter, Oakton has met or exceeded user expectations.

All Oakton meters are designed and manufactured at an ISO 9001 facility, and meet CE requirements for EMF. Oakton's commitment to deliver accuracy, quality, and reliability at a competitive price makes them a perennial leader in their field.



HIGH PERFORMANCE AT A LOW PRICE

- Portable meters feature laboratory-grade microprocessor for quick, accurate, repeatable results
- Save up to 20% over other brands *plus* get a 2-year warranty!

AUTO-RANGING

- Meters automatically adjust range and resolution so you don't have to

ONE-TIME BLANKING

- Blank the meters once for all parameters and ranges; meters store blanking value in memory even when switched off!

NO LOOSE PARTS TO LOSE OR BREAK

- Custom sample cuvettes fit so well in the sample well that detachable light shields or flip covers for the colorimeter are not required

WATERPROOF AND LIGHTWEIGHT

- IP67-rated housing will not allow water or dust in—meters even float if accidentally dropped in water!

IDEAL FOR A MULTITUDE OF APPLICATIONS

Whether you work in the swimming pool, drinking water, water treatment, food processing, or pulp and paper industries, among others, Oakton offers a colorimeter to meet your needs. Select single-parameter models for dedicated use, or dual- and multi-parameter models for expanded and cost-effective measurement capabilities.

PH MODELS C101, C301, AND C401

pH levels can affect the effectiveness of chlorine disinfection and can cause damage to pipework and fittings.

CYANURIC ACID MODELS C102 AND C401

Cyanuric acid is a commonly used stabilizer which prevents chlorine degradation by the sun's UV rays.

CHLORINE DIOXIDE MODEL C103

Effective over a wider pH range than other disinfectants, chlorine dioxide is popular in many industries, including food processing, and pulp and paper, and is used in cooling systems with poor pH control.

BROMINE MODEL C104

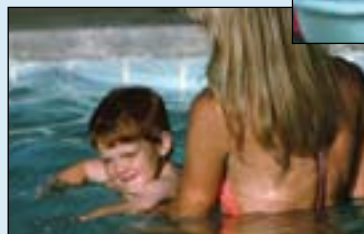
Bromine is a disinfectant more stable than chlorine with less odor and less skin and eye irritation. It is becoming more commonly used in indoor or covered water systems.

OZONE MODEL C105

Ozone is a strong, fast-acting disinfectant which does not cause corrosion or scaling and will not irritate human skin or eyes. It is gaining popularity in spas and swimming pools.

CHLORINE MODELS C201, C301, AND C401

Free and total chlorine are commonly measured in swimming pools, drinking water, and wastewater treatment to maintain safe and effective chlorine-based disinfectant levels.



In the U.S.

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In the United Kingdom

Free phone: 0500-345-300
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Fax: 020-8574-7543
www.coleparmer.co.uk

In India

Phone: 91-22-6716-2222
Fax: 91-22-6716-2211
www.coleparmer.in

International customers

Call 847-549-7600 to reach our International Sales Department or contact your local dealer.



FREE TECHNICAL APPLICATIONS ASSISTANCE!

PERFORMANCE SPECIFICATIONS

ISO9001:2000 CERTIFIED SUPPLIER CE 2 year warranty

Wavelength:

525 nm

Photometric range:

0 to 2.5 absorbance

Photometric accuracy:

±0.0015 absorbance

Concentration units:

pH, ppm

Light source:

LED

Detector:

Silicon photodiode

Sample size:

10 mL

Display:

4-digit, 14-segment LCD

Operating temperature:

0 to 50°C (32 to 122°F)

Operating humidity:

0 to 90% RH, noncondensing at 30°C (86°F)

Power:

Four AAA batteries (included)

Dimensions:

6¼"L x 2¾"W x 2"H



Colorimeter shown with kit which includes ready-to-use reagents.

Catalog number	Description	Test parameter	Range	Resolution	Accuracy	Tests/kit	Replacement reagents
							Catalog number
ML-35645-10	C-101	pH	5.9 to 8.2 pH	0.1 pH	±0.1 pH	50	ML-35645-60
ML-35645-12	C-102	Cyanuric acid	5 to 90 ppm	1 ppm	±4 ppm	100	ML-35645-62
ML-35645-13	C-103	Chlorine dioxide	0 to 3.79 ppm; 3.8 to 114 ppm	0.01 ppm; 0.1 ppm	±0.02 ppm; ±0.2 ppm	100	ML-35645-68
ML-35645-14	C-104	Bromine	0 to 4.49 ppm; 4.5 to 13.5 ppm	0.02 ppm; 0.2 ppm	±0.03 ppm; ±0.3 ppm	100	ML-35645-66¹
ML-35645-15	C-105	Ozone	0 to 1.39 ppm; 1.4 to 4.1 ppm	0.01 ppm; 0.1 ppm	±0.02 ppm; ±0.2 ppm	100	ML-35645-66¹
ML-35645-20	C-201	Chlorine, free and total	0.01 to 1.99 ppm; 2.0 to 6.0 ppm	0.01 ppm; 0.1 ppm	±0.02 ppm; ±0.2 ppm	100	ML-35645-64* ML-35645-66¹
ML-35645-30	C-301	pH	5.9 to 8.2 pH	0.1 pH	±0.1 pH	50	ML-35645-60
		Chlorine, free and total	0.01 to 1.99 ppm; 2.0 to 6.0 ppm	0.01 ppm; 0.1 ppm	±0.02 ppm; ±0.2 ppm	100	ML-35645-64* ML-35645-66¹
ML-35645-40	C-401	pH	5.9 to 8.2 pH	0.1 pH	±0.1 pH	50	ML-35645-60
		Chlorine, free and total	0.01 to 1.99 ppm; 2.0 to 6.0 ppm	0.01 ppm; 0.1 ppm	±0.02 ppm; ±0.2 ppm	100	ML-35645-64 ML-35645-66¹
		Cyanuric acid	5 to 90 ppm	1 ppm	±4 ppm	100	ML-35645-62

*Replacement free chlorine test kit, 100 tests/kit.

¹Replacement total chlorine test kit, 100 tests/kit.

What's included:

Three cuvettes with light-shield caps, reagents, batteries, and hard carrying case.

Try our custom-formulated powder reagents

- Excellent accuracy, repeatability, and stability. Individually packed in sealed foil packets for ease of use



Total chlorine reagent in foil packet

Accessories

[ML-35653-55](#) Replacement cuvettes. Pack of 3
[ML-35645-70](#) Secondary standards chlorine kit