



Pocket Colorimeter II, Chlorine (Free & Total), Mid Range/ High Range

Product #: 5870062

 **Hazardous**

OBSELETE ITEM
This item is no longer available.

Items with this mark may be considered hazardous under some shipping conditions.

Suggested replacements:
• LPV445.97.62110

If necessary, we will change your selected shipping method to accomodate these items.

Portable Colorimeter programmed for the determination of Free and Total Chlorine (DPD), 0.05-4.00 / 0.1-10.0 mg/L Cl₂. In carrying case, complete with reagents, cuvettes and operating instructions.

The new Pocket Colorimeter II Filter Photometer is a true go-anywhere instrument. It's lightweight and battery operated, suitable for extended field work or quick, on-the-spot process monitoring. The instrument has two channels in which measurements can be made. Each channel will accept a user-defined calibration curve. Up to 10 standards can be used to determine the calibration. The curve is generated by a point-to-point straight line segment between each standard used. Linear and non-linear positive or negative slope calibrations can be performed. A calibration curve may also be manually entered from the keypad if a previously determined curve has been made on the Colorimeter. At least two data pairs (concentration and absorbance) are required.

Single Parameter go anywhere portable photometer

Lightweight and battery operated, suitable for extended field work or quick, on-the-spot process monitoring. Measurement can be made in two ranges for a number of important parameters.

USEPA accepted method for drinking water analyses (free and total chlorine) and wastewater analyses (total chlorine only)

The Pocket Colorimeter II is simple enough to use that anyone can obtain reliable results with accuracy comparable to that of a lab instrument.

Factory-Programmed

Each Pocket Colorimeter II Instrument is pre-programmed for one of more than 35 parameters. Many are based on EPA-approved methods. No manual calibration is ever required. Simply zero the instrument with a blank, insert the reacted sample, and read the result.

Waterproof, Lightweight, Rugged

The Pocket Colorimeter II Instrument really can be carried in your pocket! Weighing in at only .23 kg (8.1 oz), the tough, impact-resistant shell protects electronics and optics for years of trouble-free operation. IP67 rating: the Pocket Colorimeter II can remain submerged at 1 meter for 30 minutes and still function properly. And, the instrument is designed to float!

Backlit Display, Data Logging, Recall

Clear readings even under difficult conditions, thanks to lighting and large figures on the display. Record 10 most recent data points along with time of measurement. No more manual record keeping hassles with carrying paper and pen.

Specifications

Absorbance:	0 - 2.5 Abs
Battery Life:	2000 tests approximate
	* Backlight usage will decrease battery life.
Case Style:	D
Data Logger:	10 measured values

Detector:	Silicon detector
Dimensions (H x W x D):	155 mm x 61 mm x 35 mm
Display:	Numerical LCD, b/w, backlit
Enclosure rating:	IP67 (excludes battery compartment)
Environmental Conditions: Relative Humidity:	max. 80 % relative humidity (non-condensing)
Environmental Conditions: Temperature:	10 - 40 °C
Measuring Range: Cl:	0.05 to 4.00
Method:	Colorimeter/DPD
Number of tests:	100 F, 100 T
Operating Mode:	Hach vial tests for water analysis
Parameter:	Chlorine MR/HR Free and Total Cl ₂
Photometric Measuring Range:	0 - 2 Abs
Power supply:	4 x AAA size alkaline cells
Range:	- Cl ₂
Range 2:	0.1 - 10.0 mg/L Cl ₂
Sample Cell Compatibility:	1 inch round / 1cm square (with optional adapter)
Smallest increment:	0.01
Smallest Increments Steps:	0.2
Source Lamp:	Light Emitting Diode (LED)
Spectral Bandwidth:	15 nm filter bandwidth
User programs:	Custom programming 1
Wavelength:	Fixed wavelength ± 2 nm varies with model
Weight:	0.23 kg
What's included?:	<p>Ideal for performing calibration and verification per USEPA Method 334.0: Determination of Residual Chlorine in Drinking Water Using an On-Line Chlorine Analyzer.</p> <p>Allows measurement to 2 decimal places over the entire 0.05 to 4.00 mg/L drinking water range without changing sample cells. Pocket Colorimeter II Analysis System for Free Chlorine and Total Chlorine Two Ranges: MR-0.05 to 4.00 mg/L and HR-0.1 to 10.0 mg/L as Cl₂ Reagents included: 100 tests each, Free and Total Chlorine</p> <p>USEPA approved/accepted for drinking water and wastewater. Each Pocket Colorimeter II Instrument comes complete as a ready-to-use kit that includes a reagent set (pre-measured unit dose reagents), sturdy custom carrying case, and manual.</p>

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