



Milwaukee MI411-P pH and Free & Total Chlorine PRO Photometer

SPECIFICATIONS

•**Free and Total Chlorine Photometer, Range:** 0.00 to 5.00 mg/L of Cl₂ | pH Range: 6.5 to 8.0 pH

•**Free & Total Chlorine Resolution:** 0.01 mg/L (0.00 to 3.50 mg/L)

•**Free & Total Chlorine Resolution:** 0.10 mg/L (above 3.50 mg/L)

•**pH Resolution:** 0.1 pH

•**Accuracy** ± 0.06 mg/L @ 1.50 mg/L (Cl) | pH ± 0.1 @ 7.2 pH

•**Method:** adaptation of USEPA method 330.5 & Standard Method 4500-Cl G (Cl) | pH adaptation of red phenol method.

•**Light Source:** Tungsten Lamp

•**Light Detector:** Silicon photocell and 525nm narrow band interference filter

•**Operating Environment:** 0 to 50 C 32 to 122 F / Max. RH 100%

•**Battery Type:** 1 X 9V (included)

•**Auto-off:** after 10 minutes of non-use

•**Meter Dimensions / Weight:** 7.5" x 4.1" x 2" / 0.84 lbs.

•**Packaging Dimensions / Weight:** 12" x 11" x 4.5" / 2.7 lbs.

•**Meter Dimensions / Weight:** 191 mm x 107 mm x 51 mm / 1.22 kg.

•**Packaging Dimensions / Weight:** 305 mm x 280 mm x 115 mm / 1.5 kg.

•**Glass Cuvettes:** MI0001 (2 x included)



DETAILS

LAB GRADE, EASY TO USE, HIGH PERFORMANCE.

Milwaukee MI-MI411-P PRO Photometer is for users demanding fast, reliable, repeatable results with ease of use.



DESCRIPTION

The Milwaukee MI-MI411-P PRO Photometer features manual zero point calibration and fast operation in a rugged design.

The Milwaukee PRO Photometer is ideal for users in pools, aquaculture, water conditioning applications. This meter is also ideal for educators that want their students to learn the basics of water quality analysis to apply in the real world.

The Milwaukee PRO Photometer offers:

SPEED

The MI-MI411-P microprocessor delivers fast results with accuracy of ± 0.06 mg/L @ 1.50 mg/L (Cl) | pH ± 0.1 and is repeatable.

EASY TO USE AND TOUGHNESS

This rugged meter is designed to take knocks. It's low maintenance design paired with easy to use reagents makes the MI411 ideal for everyone from educators and pool professionals to labs and water conditioning.



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DESIGN FEATURES

- Fast easy to read results with large digital LCD readout.
- Accurate to ± 0.06 mg/L @ 1.50 mg/L (Cl); ± 0.1 pH @ 7.2 pH and a range 0.00 to 5.00 mg/L of Cl₂ | pH 6.5 to 8.00
- Lightweight and portable.
- Easy measurement: just mix the reagent in the sample, gently shake, insert the cuvette, zero the meter then press read.
- Simple easy reagent packets or liquid bottles.

- Easy 1-2-3 instruction steps.
- Auto shut off after 10 minutes of non-use, 9 volt (battery included).
- Adaptation of USEPA Method 330.5 and Standard Method 4500- CL G & adaptation of the phenol red method.

BUILT IN TIMER

- MI-MI411-P has a built in timer that ensures appropriate reaction time is used for the chemical reaction. At the end of the timer, the meter will automatically take the reading. This feature ensures consistency across multiple users.

CUVETTE CHAMBER

- The MI-MI411-P has a built in indexing indent on the meter - The meter has an indent that allows for a lock and key fit with the cuvette cap. This ensures that the cuvette is indexed consistently (same position) in order to maintain the same path length for accurate results.

ERROR MESSAGING

- The MI-MI411-P has built in error messaging display alerts. This helps the user ensure no mistakes are made in the testing process. Messages include no cap, over range and under range, light source errors and zero cal error to ensure the user has the most accurate error free readings.

CALIBRATION

- The MI-MI411-P has a simple to use zero-point calibration. Simply insert the unreacted sample cuvette into the chamber, index the cuvette and press the zero button. Your calibration is complete.