

# pH and Free & Total Chlorine Photometer Mi411



- For swimming pools
- Range :  
Chlorine from 0 to 5.00 mg/l  
pH 6,5 to 8,0
- Delivered ready to use in a carrying case
- Lightweight and portable

## APPLICATION

The Mi411 is a portable photometer that's perfect for pool maintenance, aquaculture applications, and rapid water testing. It's equally well-suited for educators who want their students to master the fundamentals of water-quality analysis and apply them in real-world settings.

## DESCRIPTION

The Mi411 is a handheld photometer for pH, free chlorine and total chlorine testing, offering:

- Quick, clear readings on a large LCD display
- Resolution:  $\pm 0.06$  mg/L at 1.50 mg/L for chlorine;  $\pm 0.1$  pH at pH 7.2
- Measuring ranges: 0.00 – 5.00 mg/L for  $\text{Cl}_2$  and pH 6.5 – 8.0
- Lightweight, portable design
- Auto-shut-off after 10 minutes of inactivity; 9-volt battery included

The Mi411 comes in a rugged carrying case with two sample cuvettes, reagents\*, a lint-free wiping cloth and an instruction manual.

*\*Reagents: one 30 mL pH reagent bottle, plus 100 powder pillows for free chlorine and 100 powder pillows for total chlorine.*

## TECHNICAL FEATURES

### Free & Total Chlorine:

|            |   |
|------------|---|
| Range      | 0.00 to 5.00 mg/L $\text{Cl}_2$                                   |
| Resolution | 0.01 mg/L (0.00-3.50 mg/L)<br>0.10 mg/L (above 3.50 mg/L)         |
| Precision  | $\pm 0.06$ mg/L @ 1.50 mg/L                                       |
| Method     | Adaptation of the USEPA method 330.5<br>Standard Method 4500-Cl G |

### pH:

|            |                                      |
|------------|--------------------------------------|
| Range      | 6.5 to 8.0 pH                        |
| Resolution | 0.1 pH                               |
| Precision  | $\pm 0.1$ pH @ 7.2 pH                |
| Method     | Adaptation of the phenol red method. |

### Other

|                |  |
|----------------|--|
| Light Source   | Tungsten lamp  |
| Light Detector | Silicon Photocell and 525 nm narrow band interference filter |
| Environment    | 0 to 50 °C (32 to 122 °F), 100% RH max                       |
| Battery Type   | 9 volt (1 pc)  |
| Auto-Shut off  | After 10 minutes of non-use                                  |
| Dimensions     | 192 x 104 x 52 mm  |
| Weight         | 380 g  |

## CODE NUMBERS AND REFERENCES

| Code    | Reference                     | Description  |
|---------|-------------------------------|--------------|
| 190 843 | MI411                         | Complete set |
| 190 844 | Total chlorine powder reagent | 100 sachets  |
| 190 845 | Free chlorine powder reagent  | 100 sachets  |

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pH and Free & Total Chlorine  
Photometer  
**Mi411**

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