# Mi411

## Free & Total Chlorine and pH Photometer

This latest laboratory grade Microprocessor photometer has an excellent repeatability and is ideal for field measurements.

Chlorine is the most commonly used water disinfectant. Applications vary from treatment of drinking water and wastewater to pool and spa sanitization and food processing to sterilization.

The **Mi411** is a portable microprocessor based instrument to measure three critical parameters to ensure good water quality: pH, free chlorine and total chlorine.

This instrument provides greater resolution, better accuracy and immediate results.

**Mi411** is supplied in a hard carrying case including 2 cuvets, reagents for 100 tests, wiping tissue and instruction manual.

**3 in 1 Combination Photometer!**




| Specifications | | Mi411 |
|---|---|---|
| Range | Free Chlorine | 0.00 to 5.00 mg/L $Cl_2$ |
| | Total Chlorine | 0.00 to 5.00 mg/L $Cl_2$ |
| | pH | 6.5 to 8.0 pH |
| Resolution | Free Chlorine | 0.01 mg/L (0.00 to 3.50 mg/L); 0.10 mg/L (above 3.50 mg/L) |
| | Total Chlorine | 0.01 mg/L (0.00 to 3.50 mg/L); 0.10 mg/L (above 3.50 mg/L) |
| | pH | 0.1 pH |
| Accuracy | Free Chlorine | ±0.04 mg/L @ 1.50 mg/L |
| | Total Chlorine | ±0.04 mg/L @ 1.50 mg/L |
| | pH | ±0.1 pH @ 7.2 pH |
| Method | Free Chlorine | adaptation of the USEPA method 330.5 and Standard Method 4500-Cl G |
| | Total Chlorine | adaptation of the USEPA method 330.5 and Standard Method 4500-Cl G |
| | pH | adaptation of the phenol red method |
| Light Source | | tungsten lamp |
| Light Detector | | silicon photocell and 525 nm narrow band interference filter |
| Environment | | 0 to 50°C / 32 to 122°F; max RH 100% |
| Battery Type | | 1 x 9V |
| Auto-off | | after 10 minutes of non use |
| Dimensions | | 192 x 104 x 52 mm |
| Weight | | 380 g |



### Hard Carrying Case

**Mi411** comes complete in hard carrying case, making it ideal for field measurements.



### Accessories

**Mi504-100** Free & Total Chlorine reagent set (100 tests)
**Mi509-100** pH reagent (100 tests)
**Mi511-100** Free & Total Chlorine and pH reagent set (100 tests)
**Mi524-100** Total Chlorine powder reagents (100 tests)
**Mi526-100** Free Chlorine powder reagents (100 tests)

**Mi0001** Glass cuvets (2 pcs)
**Mi0002** Caps for cuvets (2 pcs)
**Mi0003** Stoppers for cuvets (2 pcs)

### Ordering Information

**Mi411** is supplied complete with 2 cuvets, Mi511-100 liquid reagents for 100 tests, hard carrying case, wiping tissue, 9V battery and instructions.