

MW12



Phosphate handy photometer

Rating: Not Rated Yet

[Ask a question about this product](#)

Description

MW12 Handy Photometer

The revolutionary new range of Milwaukee handy photometers are compact and easy to use, have a modern design, and measure Free Chlorine (MW10); Total Chlorine (MW11); **Phosphate (MW12)**; Iodine (MW13) and Iron (MW14). Their main advantages are the small size, and the real simplicity when doing measurements on the spot. Within a few minutes you can get the required result on the LCD and the instrument directly displays the concentration of the specific component in ppm. The meter automatically turns off after 2 minutes in order to save the battery. They work exactly the same way as the other Milwaukee photometers:

When specific reagents are added, the water sample takes on a degree of coloration that is proportional to the concentration of the parameter being measured. The photometer measures this coloration. When a light beam passes through the coloured sample, energy with a specific wavelength is absorbed by the test substance. The photometer determines the coloration of the sample by measuring the transmission or absorption of light of this wavelength. The photometer then uses a microprocessor to calculate the concentration and displays the result.

The field of application is really wide including agriculture, drinking water analyses, aquariums, swimming pools or fish farms. As a result of this versatility and the affordable price it is undoubtedly worth using these products.

Specification	MW12
Range	0.00 to 2.50 ppm
Resolution	0.01 ppm
Accuracy	±0.04 ppm ±4% of reading @ 25 °C
Typical EMC Deviation	±0.01 ppm
Light Source	light emitting diode @ 525 nm
Light Detector	silicon photocell
Method	adaptation of the Standard Methods for the Examination of Water and Wastewater, 20th edition, Ascorbic Acid method. The reaction between phosphate and the reagent causes a blue tint in the sample
Environment	0 to 50°C (32 to 122 °F) max. 95% RH non-condensing
Battery Type	1 x 1.5V AAA
Auto-shut off	after 2 minutes of non-use
Packaging dimensions / weight	115 x 115 x 84 mm / 180 g

Accessories:

- **Mi512-25** Phosphate powder reagent, 25 pcs.
- **Mi0011** 10 mL small glass cuvetts (2 pcs)
- **Mi0013** Stoppers for Mi0011 glass cuvetts (2 pcs)

Ordering information:

Handy photometers are supplied in carton box including 2 cuvetts, reagents and instruction manual.