

MW14



Iron handy photometer

Rating: Not Rated Yet
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Description

MW14 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	MW14
Range	0.00 to 5.00 ppm
Resolution	0.01 ppm
Accuracy	±0.04 ppm ±2% 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 EPA Phenanthroline method 315B, for natural and treated waters. The reaction between iron and reagent causes an orange 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:

- **Mi528-25** Iron 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.