

MW12/MW13/MW14

Low cost digital photometers to measure Phosphate, Iron & Iodine




Iron is naturally present in water supplies and therefore needs to be monitored both in potable and industrial applications. Milwaukee offers the **MW14** Iron meter with a range of 0.00 to 5.00 mg/L.

Phosphates are present in natural waters and at concentrations typically found, do not pose any specific health threats to humans. However, excessive contamination of water courses from agricultural fertilizer run off or wastewater/effluent discharge can promote excessive algae or plant growth. Milwaukee offers **MW12** with a range of 0.00 to 2.50 mg/L.

Iodine is used as disinfectant in various applications - one of the most common is the poultry industry waste water treatment. Milwaukee offers **MW13** with a range of 0.0 to 12.5 mg/L.



- CE
- Years warranty 2
- Self diagnostics
- LED

Specifications	 MW12 Phosphate	 MW13 Iodine	 MW14 Iron
Range	0.00 to 2.50 ppm	0.0 to 12.5 ppm	0.00 to 5.00 ppm
Resolution	0.01 ppm	0.1 ppm	0.01 ppm
Accuracy (@ 25 °C)	±0.04 ppm ±4% of reading	±0.1 ppm ±5% of reading	±0.04 ppm ±2% of reading
Typical EMC Dev.	±0.01 ppm	±0.1 ppm	±0.01 ppm
Light Source	Light Emitting Diode @ 525 nm	Light Emitting Diode @ 525 nm	Light Emitting Diode @ 525 nm
Light Detector	Silicon Photocell	Silicon Photocell	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.	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, DPD method. The reaction between iodine and the reagent causes a pink tint in the sample.	Adaptation of the EPA Phenantroline 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	0 to 50°C (32 to 122 °F) max. 95% RH non-condensing	0 to 50°C (32 to 122 °F) max. 95% RH non-condensing
Battery Type	1 x 1.5V AAA	1 x 1.5V AAA	1 x 1.5V AAA
Auto-Shut Off	After 2 minutes of non-use	After 2 minutes of non-use	After 2 minutes of non-use
Dimensions	81.5 x 61 x 37.5 mm (3.2 x 2.4 x 1.5")	81.5 x 61 x 37.5 mm (3.2 x 2.4 x 1.5")	81.5 x 61 x 37.5 mm (3.2 x 2.4 x 1.5")
Weight	64 g (2.25 oz.)	64 g (2.25 oz.)	64 g (2.25 oz.)

Accessories

- 2720115 Phosphate powder reagent, (25 pcs)
- 2720316 Iodine powder reagent (25 pcs)
- 2720416 Iron powder reagent, (25 pcs)



- Mi0011 Glass cuvetts (2 pcs)
- Mi0013 Stoppers for cuvetts (2 pcs)

Ordering information:

All handy photometers are supplied in a carton box including 2 cuvetts, 6 powder reagents, 1 x 1.5 V AAA battery and instructions.