

MI405 PRO/MI407 PRO/MI408 PRO/MI412 PRO

Ammonia, Iron & Phosphate Photometers

These user-friendly Colorimeters will give you direct readings in mg/L.

Ammonia detection in water treatment systems is particularly important for aquarium owners and fish farm operators.

Ammonia is highly soluble in water and extremely toxic to fish. Fish farm owners must monitor and maintain careful control of ammonia levels to ensure optimum water conditions for their stock.

Milwaukee offers 2 instruments for low and medium concentrations: **MI405 PRO** with a range of 0.00 to 9.99 mg/L and **MI407 PRO** from 0.00 to 3.00 mg/L.

Iron is naturally present in water supplies and its presence in both potable and industrial applications is regarded as objectionable. Milwaukee offers **MI408 PRO** 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 **MI412 PRO** with range 0.00 to 2.50 mg/L.



Specifications					
		MI405 PRO Ammonia MR	MI407 PRO Ammonia LR	MI408 PRO Iron HR	MI412 PRO Phosphate LR
Range	Ammonia Iron Phosphate	0.00 to 9.99 mg/L ($\text{NH}_3\text{-N}$)	0.00 to 3.00 mg/L ($\text{NH}_3\text{-N}$)	0.00 to 5.00 mg/L (Fe)	0.00 to 2.50 mg/L (PO_4)
Resolution	Ammonia Iron Phosphate	0.01 mg/L	0.01 mg/L	0.01 mg/L	0.01 mg/L
Accuracy	Ammonia Iron Phosphate	± 0.30 mg/L @ 5.00 mg/L	± 0.09 mg/L @ 1.50 mg/L	± 0.06 mg/L @ 1.50 mg/L	± 0.07 mg/L @ 1.00 mg/L
Method		adaptation of Nessler method	adaptation of Nessler method	adaptation of the USEPA method 315 B and Standard method 3500 - Fe B	adaptation of the Ascorbic Acid method
Light Source		Blue LED 466 nm	Blue LED 466 nm	tungsten lamp	tungsten lamp
Light Detector		silicon photocell and 466 nm narrow band interference filter	silicon photocell and 466 nm narrow band interference filter	silicon photocell and 525 nm narrow band interference filter	silicon photocell and 610 nm narrow band interference filter
Environment		0 to 50°C / 32 to 122°F max RH 100%	0 to 50°C / 32 to 122°F max RH 100%	0 to 50°C / 32 to 122°F max RH 100%	0 to 50°C / 32 to 122°F max RH 100%
Battery Type		1 x 9 V	1 x 9 V	1 x 9 V	1 x 9 V
Auto-off		after 10 minutes of non-use	after 10 minutes of non-use	after 10 minutes of non-use	after 10 minutes of non-use
Packaging dimensions		305 x 280 x 115 mm	305 x 280 x 115 mm	305 x 280 x 115 mm	305 x 280 x 115 mm
Packaging weight		1.24 kg	1.22 kg	1.22 kg	1.3 kg

Accessories

MI505-100 Ammonia MR liquid reagent (100 tests)

MI507-100 Ammonia LR liquid reagent (100 tests)

MI508-100 Iron HR liquid reagent (100 tests)

MI512-100 Phosphate LR powder reagent (100 tests)

MI0001

Glass cuvetts (2 pcs)

MI0002

Caps for cuvetts (2 pcs)

MI0003

Stoppers for cuvetts (2 pcs)

Ordering Information

MI405 PRO, **MI407 PRO**, **MI408 PRO** and **MI412 PRO** are supplied complete with 2 cuvetts, reagents for 100 tests, hard carrying case, wiping tissue, 9V battery and instructions.

