





These user-friendly Colorimeters will give you direct readings

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 with a range of 0.00 to 9.99 mg/L and Mi407 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 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 with range 0.00 to 2.50 mg/L.



Specifications		405 	YOT CONTRACTOR OF THE PARTY OF	408	6 00
		Mi405	Mi407	Mi408	Mi412
		Ammonia MR	Ammonia LR	Iron HR	Phosphate LR
Range	Ammonia Iron Phosphate	0.00 to 9.99 mg/L (NH₃-N)	0.00 to 3.00 mg/L (NH ₃ -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	±0.10 mg/L @5.00 mg/L	±0.04 mg/L @1.50 mg/L	±0.03 mg/L @1.50 mg/L	±0.04 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
Dimensions		192 x 104 x 52 mm	192 x 104 x 52 mm	192 x 104 x 52 mm	192 x 104 x 52 mm
Weight		380 g	380 g	380 g	380 g

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)



Mi0003

Glass cuvets (2 pcs)

Caps for cuvets (2 pcs)

Stoppers for cuvets (2 pcs)









Ordering Information

Mi405, Mi407, Mi408 and Mi412 are supplied complete with 2 cuvets, reagents for 100 tests, hard carrying case, wiping tissue, 9V battery and instructions.

Mi404/Mi406/Mi413/Mi414

Free & Total Chlorine and Chloride Photometers

Milwaukee provides a range of chlorine photometers for all applications: swimming pool treatments, household cleaners, dishwasher additives, laundry powders/liquids and cooling water treatment products all contain chlorine as an oxidizing biocide. Drinking water contains residual chlorine to maintain water purity throughout the supply lines.

Milwaukee offers 3 microprocessor-based instruments with greater resolution, better accuracy and immediate results.

You can choose between three different models:

Mi404 for measuring free (0.00 to 5.00 mg/L) and total (0.00 to 5.00 mg/L) chlorine, Mi406 for measuring free (0.00 to 5.00 mg/L) chlorine and Mi413 for measuring free (0.00 to 10.00 mg/L) and total (0.00 to 10.00 mg/L) chlorine.

Chloride is a major constituent of sea water and is extremely corrosive in acidic environments. It requires close monitoring in applications such as marine boiler systems that are effected by seawater contamination.

Chlorides are used by the water treatment professional to determine cycles of concentration in low pressure boilers and cooling systems.

It is essential to monitor chloride concentrations in boiler systems to prevent metal parts being damaged. In high levels, chloride can corrode stainless steel.

Milwaukee offers the Mi414 microprocessor-based photometer for measuring chloride (0.00 to 20.00 mg/L).



Specifications		PGP PGP	406 > 00	48	YN Common
		Mi404	Mi406	Mi413	Mi414
		Free & Total Chlorine	Free Chlorine	Free & Total Chlorine HR	Chloride
Range	Free Chlorine Total Chlorine Chloride	0.00 to 5.00 mg/L (Cl ₂) 0.00 to 5.00 mg/L (Cl ₂)	0.00 to 5.00 mg/L (Cl ₂)	0.00 to 10.00 mg/L (Cl ₂) 0.00 to 10.00 mg/L (Cl ₂)	0.00 to 20.00 mg/L (Cl)
Resolution	Free Chlorine Total Chlorine	0.01 mg/L (0.00 to 3.50 mg/L); 0.10 mg/L (above 3.50 mg/L) 0.01 mg/L (0.00 to 3.50 mg/L); 0.10 mg/L (above 3.50 mg/L)	0.01 mg/L (0.00 to 3.50 mg/L); 0.10 mg/L (above 3.50 mg/L)	0.01 mg/L (0.00 to 3.50 mg/L); 0.10 mg/L (above 3.50 mg/L) 0.01 mg/L (0.00 to 3.50 mg/L); 0.10 mg/L (above 3.50 mg/L)	
Accuracy	Chloride Free Chlorine Total Chlorine Chloride	±0.04 mg/L @1.50 mg/L ±0.04 mg/L @1.50 mg/L	±0.04 mg/L @1.50 mg/L	±0.10 mg/L @5.00 mg/L ±0.10 mg/L @5.00 mg/L	0.01 mg/L ±0.4 mg/L @10.0 mg/L
Method	Omorido	adaptation of USEPA method 330.5 and Standard Method 4500-CI G	adaptation of USEPA method 330.5 and Standard Method 4500-CI G	adaptation of USEPA method 330.5 and Standard Method 4500-CI G	adaptation of mercury (II) thiocyanate method
Light Sourc	е	tungsten lamp	tungsten lamp	tungsten lamp	Blue LED 466 nm
Light Detect	or	silicon photocell and 525 nm narrow band interference filter	silicon photocell and 525 nm narrow band interference filter	silicon photocell and 525 nm narrow band interference filter	silicon photocell and 466 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
Dimensions		192 x 104 x 52 mm	192 x 104 x 52 mm	192 x 104 x 52 mm	192 x 104 x 52 mm
Weight		380 g	380 g	380 g	380 g

Accessories

Mi504-100 Free & Total Chlorine liquid reagent set (100 tests)

Mi506-100 Free Chlorine liquid reagent set (100 tests)

Mi513-045 Free & Total Chlorine liquid reagent set (45 tests)

Mi514-100 Chloride liquid reagent set (100



(100 tests)

(100 tests)

Mi0001

Mi0002

Mi0003

Mi526-100 Free Chlorine powder reagents

Glass cuvets (2 pcs)

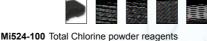
Caps for cuvets (2 pcs)

Stoppers for cuvets (2 pcs)











Ordering Information

Mi404, Mi406, Mi413 and Mi414 are supplied complete with 2 cuvets, reagents, hard carrying case, wiping tissue, 9V battery and instructions.

