

Mi106 pH/ORP/Temp		Mi805 pH/EC/Temp
Range	pH/mV EC/TDS Temp -2.00 to 16.00 pH / -2000 to +2000 mV -5.0 to 105.0°C / 23.0 to 221.0°F	0.00 to 14.00 pH 0 to 3999 µS/cm / 0 to 1999 ppm 0.0 to 60.0°C / 32.0 to 140.0°F
Resolution	pH/mV EC/TDS Temp 0.01 pH / 1 mV 0.1°C / 0.1°F	0.01 pH 1 µS/cm / 1 ppm 0.1°C / 0.1°F
Accuracy (@25°C)	pH/mV EC/TDS Temp ±0.02 pH / ±2 mV ±0.5°C up to 60°C; ±1°C outside / ±1°F up to 140°F; ±2°F outside	±0.01 pH ±2% full scale ±0.5°C / ±1°F
Temperature Compensation	automatic, from -5 to 80°C / 23 to 176°F	automatic, from 0 to 60°C; with B adj. from 0.0 to 2.4%/°C
pH Calibration	automatic, at 1 or 2 points	automatic, at 1 or 2 points
EC Calibration	automatic, at 1 point	automatic, at 1 point
Probe	MA923D/1, amplified pH/ORP/Temp probe (included)	MA851D/1, amplified pH/EC/TDS/Temp probe (included)
Environment	0 to 50°C / 32 to 122°F; max RH 95%	0 to 50°C / 32 to 122°F; max RH 100%
Battery Type / Life	1 x 9V / approx. 500 hours of use after 8 minutes of non-use	1 x 9V / approx. 300 hours of use after 8 minutes of non-use
Dimensions / Weight	200 x 85 x 50 mm / 260 g	200 x 85 x 50 mm / 260 g

SM102 pH/Temp		SM500 ORP
Range	pH/mV Temp -2.00 to 16.00 pH -5 to 70°C	±1000 mV
Resolution	pH/mV Temp 0.01 pH 0.1°C	1 mV
Accuracy (@25°C)	pH/mV Temp ±0.02 pH ±0.5°C	±5 mV
Typical EMC Deviation	pH Temp ±0.02 pH ±0.5°C	
Temp. Compensation	automatic, 0 to 70°C	
Calibration	automatic, at 1 or 2 points	
Electrode	MA911B/1 (included)	MA921B/1 (included)
Temperature Probe	MA830R (included)	
Environment	0 to 50°C, max RH 95%	0 to 50°C, max RH 95%
Battery Type	1 x 9V (included)	1 x 9V (included)
Battery Life	approx. 300 hours of use after 8 minutes of non-use	approx. 300 hours of use
Auto-off	after 8 minutes of non-use	
Dimensions / Weight	145 x 80 x 40 mm / 220 g	145 x 80 x 40 mm / 220 g

Epoxy or Glass-body pH/ORP Electrodes

Milwaukee has a wide assortment of pH, ORP, Conductivity and Dissolved Oxygen sensors to meet all your specific requirements. The MA913B/3 and MA923B/3 electrodes, both in Epoxy, are suitable for swimming pool applications.

The electrodes and probes are supplied complete with 3 meters cable.



Electrodes

MA913B/3	Epoxy-body pH electrode for swimming pool with BNC connector, 3 m cable
MA915B/3	Combined glass-body pH electrode, with BNC connector, 3 m cable
MA923B/3	Epoxy-body ORP electrode for swimming pool, with BNC connector, 3 m cable
MA905B/3	pH electrode, Teflon junction, polymer filled with BNC connector, 3 m cable

Mi106/Mi805 Combined Portable pH/ORP/Conductivity/TDS/Temp Meters

These multi parameter portable meters are ideal for field measurements. The large display of the Mi106 shows pH or mV readings and simultaneously shows temperature. Mi805 offers you a combination of pH, Conductivity, total dissolved solids and temperature measurements with 1 single probe.

Mi106 and Mi805 are supplied complete with hard carrying case, probe, calibration solutions, 9V battery and instructions.



SM102/SM500 Portable pH/ORP/Temp Meters

Milwaukee's low cost portable meters, for quick and reliable pH, ORP and temperature measurements, are ideal for the swimming pool market. The SM102 is a microprocessor based pH/Temp meter with automatic calibration in 2 points and automatic temperature compensation.

The SM500 is a portable meter that reads ORP with a range of ±1000 mV and ±5 mV accuracy. These meters are supplied complete with pH or ORP probe and calibration solutions.



Calibration Solutions

Milwaukee offers a wide range of calibration, maintenance & cleaning solutions. Milwaukee standard solutions are available in 230 mL bottles and 20 mL sachets, which are sold in boxes of 25 pieces. Both are ideal for on-the-spot calibration. Below you will find a selection of Milwaukee standard solutions for swimming pools.

Solutions

MA9007	pH 7.01 Calibration Buffer Solution, 230 mL
MA9010	pH 10.01 Calibration Buffer Solution, 230 mL
MA9015	Storage Solution for pH/ORP electrodes, 230 mL
MA9016	Cleaning Solution for pH/ORP electrodes, 230 mL
MA9020	200-275 mV ORP Solution, 230 mL
MA9061	1413 µS/cm Conductivity Calibration Solution, 230 mL
M10007B	pH 7.01 Calibration Buffer Solution (box of 25x20 mL sachet)
M10010B	pH 10.01 Calibration Buffer Solution (box of 25x20 mL sachet)
M10016B	Cleaning Solution for electrodes (box of 25x20 mL sachet)

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pH
ORP
Dissolved Oxygen
Conductivity
Temperature
Free Chlorine
Total Chlorine
Turbidity
TDS
Iron



Pool & Spa Testing

Authorized Distributor



Pool & Spa Testing

The swimming pool is an excellent environment for the transmission of contagious diseases. It is therefore very important to maintain proper water quality. Water testing plays a vital role in ensuring that pool or spa water is kept at it's best!

Milwaukee manufactures instrumentation to measure pH, Chlorine, ORP, Conductivity, TDS, Dissolved Oxygen, Temperature, Turbidity, Iron, Chloride, Phosphate, Ammonia etc. and are specifically designed for the Swimming Pool and Spa markets.

Many of our instruments are Waterproof and combine 2 or more parameters providing added versatility and excellent value for money! All of our instruments are supplied with probes, electrode holders, buffer solutions and most come in a hard carrying case (Martini portable meters and photometers) and are complete and ready for use.

pH58 Pocket-size pH/ORP/Temperature Tester

<i>pH58 pH/ORP/Temp</i>			
Range	pH/mV Temp	-2.00 to 16.00 pH / ±1000 mV -5.0 to 60.0°C / 23.0 to 140.0°F	
Resolution	pH/mV Temp	0.01 pH / 1 mV 0.1°C / 0.1°F	
Accuracy (@25°C)	pH/mV Temp	±0.05 pH / ±2 mV ±0.5°C / ±1°F	
Typical EMC	pH/mV Temp	±0.02 pH / ±2 mV ±0.3°C / ±0.6°F	
Deviation	Temp	automatic, from -5 to 60°C / 23 to 140°F automatic for pH, from -5 to 60°C with 2 sets of memorized buffers (pH 4.01, 7.01, 10.01 or 4.01, 6.86, 9.18)	
Temp. Compensation			
pH Calibration			
mV Calibration	factory calibrated		
Probe	Mi58P (replaceable)		
Environment	-5 to 50°C; max RH 100%		
Battery Type	4 x 1.5V; IEC LR44, A76 (included)		
Battery Life	approx. 250 hours of use		
Auto-off	after 8 minutes of non-use		
Dimensions / Weight	200 x dia 38 mm / 100 g		

The combination IP67 waterproof tester pH58 has advanced functions for simultaneous pH and ORP measurements and temperature, which is continuously displayed on the dual level LCD. The pH58 has a stability indicator and hold feature that freezes the display for easy and accurate recording. The modular design allows easy electrode and battery replacement.



C65 Conductivity	T75 TDS	T76 TDS
Range	0 to 1999 µS/cm	0 to 1999 ppm (mg/L)
Resolution	1 µS/cm	1 ppm (mg/L)
Accuracy	±2% full scale	±2% full scale
Typical EMC Deviation	±2% full scale	±2% full scale
Temp. Compensation	automatic, from 5 to 50°C, with β=2%/°C	automatic, from 5 to 50°C, with β=2%/°C
TDS Factor	0.5	0.5
Calibration	manual, at 1 point through trimmer	manual, at 1 point through trimmer
Probe	MA73075 (replaceable)	MA73075 (replaceable)
Environment	0 to 50°C; max RH 100%	0 to 50°C; max RH 100%
Battery Type	3 x 1.5V, alkaline (included)	3 x 1.5V, alkaline (included)
Battery Life	approx. 250 hours of continuous use	approx. 250 hours of continuous use
Dimensions / Weight	165 x 30 x 30 mm / 80 g	165 x 30 x 30 mm / 80 g

pH51 pH	pH52 pH/Temp
Range	pH
Resolution	pH
Accuracy	pH
Typical EMC	pH
Deviation	pH
Temp. Compensation	Temp
Calibration	Temp
pH Electrode	Temp
Environment	Temp
Battery Type	Temp
Battery Life	Temp
Dimensions / Weight	Temp

Mi411/Mi404 3 in 1 Photometer that measures Free Chlorine, Total Chlorine & pH

Regular testing of pool water is essential for effective disinfection.

The Mi411 is a portable microprocessor based instrument that measures three critical parameters to ensure good water quality: Free Chlorine (0.00 to 5.00 mg/L), Total Chlorine (0.00 to 5.00 mg/L) and pH (6.5 to 8.0 pH).

The Mi404 measures Free Chlorine (0.00 to 5.00 mg/L) and Total Chlorine (0.00 to 5.00 mg/L). Both the photometers have an excellent repeatability and are ideal for on the spot measurements.

Mi411 and Mi404 are supplied in a hard carrying case including 2 cuvetts, reagents for 100 tests, wiping tissue and instruction manual.



Mi411 pH, Free&Total Chlorine		Mi404 Free&Total Chlorine
Range	Free&Total Cl ₂ pH	0.00 to 5.00 mg/L Cl ₂ ; 0.00 to 5.00 mg/L Cl ₂
Resolution	Free&Total Cl ₂ pH	0.01 mg/L (0.00 to 3.50 mg/L); 0.10 mg/L (above 3.50 mg/L)
Accuracy	Free&Total Cl ₂ pH	±0.04 mg/L @1.50 mg/L; ±0.04 mg/L @1.50 mg/L
Method	Free&Total Cl ₂ pH	adaptation of the USEPA Method 330.5 and Standard Method 4500-Cl G adaptation of the Phenol Red Method
Light Source	pH	tungsten lamp
Light Detector	pH	silicon photocell and 525 nm narrow band interference filter
Environment	pH	0 to 50°C / 32 to 122°F; max RH 95%
Battery Type	pH	1 x 9V (included)
Auto-off	pH	after 10 minutes of non-use
Dimensions / Weight	pH	192 x 104 x 52 mm / 380 g

Mi415 Turbidity Meter

The Mi415 has two operating ranges: from 0.00 to 5.00 FNU, and from 50 to 1000 FNU that can accommodate the most turbid condition you may encounter.

Mi415 is supplied complete with 2 cuvetts, reagents, hard carrying case, wiping tissue, 9V battery and instructions.

Mi415 Turbidity	
Range	FNU
Resolution	FNU
Accuracy	FNU
Method	detection of scattered light
Light Source	high emission infrared LED
Light Detector	silicon photocell
Environment	0 to 50°C / 32 to 122°F; max RH 95%
Battery Type	1 x 9V (included)
Auto-off	after 5 minutes of non-use
Dimensions / Weight	192 x 104 x 52 mm / 380 g

C65/T75/T76 Waterproof Conductivity/TDS Testers

These simple and easy-to-use IP67 waterproof testers, with replaceable probe, are designed for Conductivity and TDS measurements. The modular design allows easy probe and battery replacement. These instruments are supplied complete with calibration solutions, hard carrying case, calibration screwdriver, batteries and instructions.



pH51/pH52 Waterproof pH/Temperature Testers

The pH51 is a waterproof pH tester with 2 points manual calibration.

The pH52 is a waterproof pH and Temperature tester with 2 points automatic calibration. Manual calibration on the pH51 prolongs the battery life up to 1500 hours.

Both instruments have a replaceable electrode and are supplied in a leather casing complete with calibration solutions, batteries and instruction manual.

