

Milwaukee manufactures user friendly quality products designed for the full range of the Hydroponics market. With Milwaukee products, you will get faster, knowledgeable service and the highest quality of meters available at competitive prices.

Waterproof Pocket Testers with replaceable electrode and manual calibration

pH51 and C66 have waterproof floating casing and replaceable electrode ideal for the hydroponics and agricultural markets.

New

Specifications	pH51 (pH)	C66 (EC)
Range	0.0 to 14.0 pH	0.00 to 10.00 mS/cm
Resolution	0.1 pH	0.01 mS/cm
Accuracy	±0.1 pH	±2% Full Scale
Temp. Comp.	automatic	automatic
Calibration	manual at 2 points through trimmers	manual at 1 point through trimmer
Battery life	1500 hours of use	250 hours of use

Supplied in a carton box with calibration solution, batteries, instruction manual and screwdriver for calibration.

Accessories:

- MA73600 pH electrode for pH51
- MA73076 EC probe for C66



Budget pH & EC Testers

Specifications	pH600 (pH)	CD611 (EC)
Range	0.0 to 14.0 pH	0 to 20000 µS/cm
Resolution	0.1 pH	100 µS/cm
Accuracy	±0.1 pH	±2% full scale
Temp. Comp.	automatic	automatic
Calibration	manual, 1 point	manual, 1 point
Battery life	700 hours of use	350 hours of use

Milwaukee's economical testers are easy-to-use and low cost instruments to measure pH and EC values quickly and reliably. Supplied in a plastic hard carrying case, with protective cap, calibration screwdriver, batteries and instruction manual. Optionally both testers can be ordered in hard carrying case kit (Mi6000).



MW101 PRO SOIL pH Meter with MA920B/1 pH electrode

The MW101 PRO SOIL pH Meter is ideal for measurements in soils and growing media. The MA920B/1 is a combined pH electrode with open junction, with BNC connector and 1 meter cable. Supplied in a hard carrying case with calibration solutions, 9V battery and instruction manual.



- Accessories:**
 MA920B/1 Combined pH electrode with open junction, with BNC connector and 1 meter cable



Combined pH/EC/TDS/Temp Meter

The MW804 MAX is water-resistant tester with dual-level LCD that measures pH/Conductivity/TDS and Temperature with one single probe!

Specifications	MW804 MAX
Range	pH 0.00 to 14.00 pH EC 0 to 20.00 mS/cm TDS 0 to 10.00 ppt Temp. 0.0 to 50.0°C
Resolution	pH 0.01 pH EC 0.01 mS/cm TDS 0.01 ppt Temp. 0.1°C
Accuracy (@25°C)	pH ±0.05 pH EC/TDS ±2% Full Scale Temp. ±0.5°C
Temp. Comp.	automatic
Calibration	automatic, 1 point for EC and 1 or 2 points for pH
TDS Factor	0.45 to 1.00 (conv.)
Battery life	approx. 100 hours of use
Auto-off	after 8 minutes of non-use

Waterproof floating casing with replaceable electrode and large dual-level LCD, which displays also temperature. Automatic calibration and auto shut-off after 8 minutes. The large display shows readings in an extended range from 0.00 to 14.00 pH and 0 to 20.00 mS/cm and simultaneously shows temperature. MW804 is supplied in a carton box complete with calibration solutions, batteries and instruction manual.

- Accessories:**
 Mi60P Replaceable probe for MW804 MAX



pH Controller and pump MC720 controls the pH of your tank AUTOMATICALLY!

The MC122 PRO pH controller and dosing pump (MP810) provides fully automated pH control of aqueous solutions in hydroponic systems. It was specifically designed to control the pH in mixing tanks for fertigation. The low and precise flow of the peristaltic pump lets you maintain ideal pH values in your tank.

After selecting the desired pH setting from 5.5 to 9.5 pH, the pH controller measures the pH value of the solution and automatically adds pH adjustment (acid or alkaline) to change the liquid's pH to the selected value.

Specifications	MC122 PRO
Range	0.0 to 14.0 pH
Resolution	0.1 pH
Accuracy (@25°C)	±0.2 pH
Set point	5.5 to 9.5 pH
Alarm	active when measurement is higher or lower than the selected set point
Output power socket	relay, 230V / 117V, 8A
Output	active when measurement is higher or lower than the selected set point
Power supply	12 VDC adapter

- Accessories:**
 MA911B/2 Replaceable probe for MC122 PRO
 MP002 12 cm stretch tube for MP810



NEVER STORE THE pH ELECTRODE IN DE-IONIZED WATER!

PURE WATER CHANGES THE CHEMISTRY OF THE REFERENCE ELECTRODE SOLUTION REDUCING THE LIFE OF pH ELECTRODE!

REGULARLY CHECK YOUR BATTERIES! LOW BATTERIES CAN CAUSE SLOW READINGS AND PROBLEMS WITH CALIBRATION.

NEVER STORE THE pH ELECTRODE IN REVERSE OSMOSIS WATER!

Waterproof Pocketable Testers with replaceable electrode



Waterproof floating casing with replaceable electrode and large dual-level LCD, which displays also temperature. Automatic calibration and auto shut-off after 8 minutes.

Specifications	pH55 PRO	EC60 PRO
Range	pH -2.0 to 16.0 pH EC 20.00 mS/cm TDS 10.00 ppt Temp. -5.0 to 60.0°C	0.0 to 10.0 mS/cm 0.0 to 60.0°C
Resolution	pH 0.1 pH EC 0.01 mS/cm TDS 0.01 ppt Temp. 0.1°C	0.01 mS/cm 0.01 ppt 0.1°C
Accuracy (@25°C)	pH ±0.1 pH EC/TDS ±0.5°C	±2% Full Scale ±0.5°C
Temperature Compensation	automatic	automatic
Calibration	automatic 1 or 2 points	automatic 1 point
Battery life	300 hours of use	100 hours of use

pH55 PRO and EC60 PRO are supplied in a carton box complete with calibration solutions. Optionally both testers can be ordered in hard carrying case kit (Mi5560).

Accessories:

- Mi56P: Replaceable pH electrode for pH55 PRO pH/°C tester
- Mi59P: Replaceable EC probe for EC60 PRO EC/°C tester



pH and EC Portable Meters

Specifications	MW100 PRO	MW302 PRO
Range	0.0 to 14.0 pH	0.0 to 10.0 mS/cm
Resolution	0.1 pH	0.1 mS/cm
Accuracy (@25°C)	±0.2 pH	±2 Full Scale
Temp. Comp.	automatic	automatic
Calibration	manual, 2 points	manual, 1 point
Battery life	300 hours of use	300 hours of use

Professional pH and EC Portable Meters with replaceable electrode with one meter cable. Large and easy to read LCD display and long battery life.

Portable meters are supplied with pH electrode (MW100) or EC probe (MW302), calibration solution, 9V battery and instruction manual.



You can order both meters in a hard carrying case (MW710).

Accessories:

- SE220 Double junction pH electrode with 1 meter cable and BNC connector
- SE520 EC probe with 1 meter cable and DIN connector

EC40 EC Waterproof Nutrient Stick

- Readings are displayed with 20 LEDs graph bar
- Range 0.2 to 4 mS/cm
- The alarm feature is user settable and is displayed on the LED bar
- No calibration required
- Auto-ON/OFF function
- The auto-check feature indicates the battery level
- Waterproof and floating design makes the stick an appropriate tool for stirring nutrient solutions in a bucket/tank

Specifications	EC40
Range	0.2 to 4 mS/cm 2 to 40 CF 140 to 2800 ppm (0.7) 100 to 2000 ppm (0.5)
Resolution	0.1 mS/cm 1 CF 70 ppm 50 ppm
Accuracy	± 4% of reading ± 1 resolution point
Probe	Graphite probe in ABC+PC body
Temp. Comp.	automatic
Battery type	3 x 1.5V AA alkaline
Battery life	approx. 3 years



Graphite EC probe with ATC



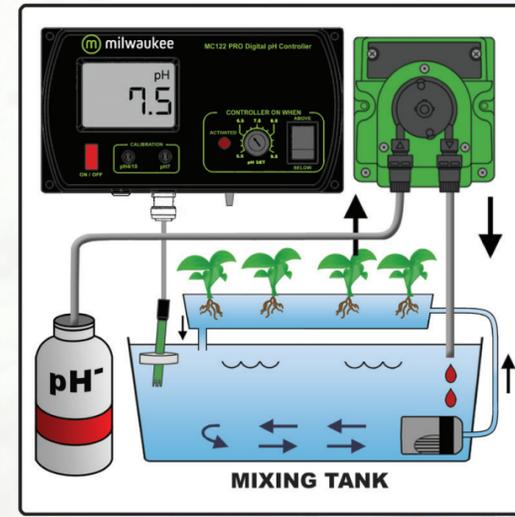
Combined Portable pH/EC/TDS Meter

Combination portable meters measure multiple parameters with one single probe! The MW802 PRO entry level, inexpensive meter measures pH, EC and TDS.

Specifications	MW802 PRO
Range	pH 0.00 to 14.00 pH EC 0.00 to 6.00 mS/cm TDS 0 to 4000 ppm
Resolution	pH 0.10 pH EC 0.10 mS/cm TDS 10 ppm
Accuracy (@25°C)	pH ±0.20 pH EC/TDS ±2% Full Scale
Temp. Comp.	automatic
pH Calibration	manual at 1 point
EC Calibration	manual at 1 point
EC/TDS Conv. Fact.	0.68
Battery life	150 hours of use

- Accessories:**
 SE600 pH/EC/TDS combination probe with 1 meter cable

EASY INSTALLATION



Specifications	MP810
Max. flow	1.5 L/h
Max. pressure	2 bar
Squeeze tubing	Santoprene
Ext. tube connection	6 mm
Power supply	240 VAC, 50-60 Hz
Power consumption	7.7 W



EC Controllers and pumps

Specifications	MC311 PRO
Range	0.0 to 10.0 mS/cm
Resolution	0.1 mS/cm
Accuracy (@25°C)	±2% Full scale
Set point	0.8 to 2.8 mS/cm
Alarm	active when measurement is higher or lower than the selected set point
Temp. Comp.	automatic
Output	active when measurement is higher or lower than the selected set point
Power supply	12 VDC adapter

MC740 & MC745 control the EC & nutrient dosage in your tank AUTOMATICALLY!

The MC311 PRO EC controller and dosing pump (MP810) provides fully automated EC control of aqueous solutions in hydroponic systems. The MC740 kit contains the MC311 PRO controller with one MP810 dosing pump, the MC745 kit contains the MC311 PRO controller with two MP810 dosing pumps!

Accessories:

MA812/2 EC probe with 2 meter cable



New

Continuous pH and EC Monitors

MC110 PRO Smart pH monitor lets the user continuously monitor pH values. MC310 PRO is a reliable Conductivity monitor with Automatic temperature compensation and 1 point manual calibration powered by a 12 VDC adapter.

Features include: user selectable set point, visual LED alarm when values go above or below the set point and manual calibration.

Accessories:

MA911B/2 Double junction, gel filled pH electrode with 2 meter cable
MA812/2 Conductivity probe with 2 meter cable

Specifications	MC110 PRO	MC310 PRO
Range	0.0 to 14.0 pH	0.0 to 10.0 mS/cm
Resolution	0.1 pH	0.1 mS/cm
Accuracy	±0.2 pH	±2% Full Scale
Calibration	manual, 2 points	manual, 1 point
Set point	3.5 to 7.5 pH	1 to 5 mS/cm
Alarm	active when measurement is higher or lower than the selected set point	active when measurement is higher or lower than the selected set point
Power supply	12 VDC adapter	12 VDC adapter

MC110 PRO and MC310 PRO are supplied in a carton box with electrode / probe, calibration solutions, adapter, screwdriver and instruction manual.



Portable LUX Meter

MW700 PRO is a portable Micro Processor based Lux meter designed to perform light measurements in many different applications. Features include a large and easy to read LCD Display and long battery life. MW700 PRO is supplied in a carton box with 9V battery and instruction manual.

Specifications	MW700 PRO
Range	0.000 to 1999 Lux 2000 to 19999 Lux 20000 to 50000 Lux
Range setting	manual through key buttons
Resolution	1 Lux, 10 Lux, 100 Lux
Accuracy	±6% of reading ±1 digit
Peak wave length	560 nm
Sensor type	silicon photodiode
Sensor stability	±2% change per year
Battery life	150 hours of use
Auto-off	after 5 minutes of non-use



Calibration, Maintenance and Cleaning Solutions

Solutions

MA9004	pH 4.01 Calibration Buffer Solution, 230 mL
MA9007	pH 7.01 Calibration Buffer Solution, 230 mL
MA9015	Storage Solution for pH/ORP electrodes, 230 mL
MA9016	Cleaning Solution for pH/ORP electrodes, 230 mL
MA9060	12880 µS/cm Conductivity Calibration Solution, 230 mL
MA9061	1413 µS/cm Conductivity Calibration Solution, 230 mL
M10004B	pH 4.01 Calibration Buffer Solution (box of 25x20 ml sachet)
M10007B	pH 7.01 Calibration Buffer Solution (box of 25x20 ml sachet)
M10016B	Cleaning solution for electrodes (box of 25x20 ml sachet)
M10030B	12880 µS/cm Calibration Buffer Solution (box of 25x20 ml sachet)
M10031B	1413 µS/cm Calibration Buffer Solution (box of 25x20 ml sachet)
M1000AB	Combination pack of pH buffer solutions, including 10 sachets of M10007 (pH 7.01), 5 sachets of M10000 (rinse), 5 sachets of M10004 (pH 4.01), and 5 sachets of M10010 (pH 10.01); each sachet supplies 20 mL



Milwaukee calibration solutions are available in 230 mL bottles and 20 mL sachets. Standard buffer solutions are packed in 230 mL leak-proof bottles and are recommended for lab applications. Sachets are sealed against light and air and are ideal for on the spot calibration. Sachets are sold in boxes of 25 pieces but available by the unit at your nearest authorized Milwaukee reseller.



WARRANTY: OUR INSTRUMENTS ARE WARRANTED FOR 2 YEARS, pH ELECTRODES AND PROBES FOR 6 MONTHS.

Spare electrodes

Electrodes

MA73600	Replaceable pH electrode for pH51
MA73076	Replaceable conductivity probe for C66
MI56P	Replaceable pH electrode for pH55 PRO
MI59P	Replaceable conductivity probe for EC60 PRO
MI60P	Replaceable probe for MW804 MAX
SE220	Double junction pH electrode with 1 meter cable and BNC connector
SE520	Conductivity/TDS probe with 1 meter cable and DIN connector
SE600	pH/EC/TDS combination probe with 1 meter cable
MA911B/2	Double junction pH electrode with 2 meter cable
MA812/2	Conductivity/TDS probe with 2 meter cable
MA920B/1	Combined pH electrode with open junction, with BNC connector and 1 meter cable



Authorized Milwaukee reseller

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Instruments for Hydroponic GROWERS



Pocket testers • Meters • Monitors • Controllers • Test Kits

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Digital Refractometer

The MA871 is a digital refractometer that determines the % of Brix (sugar) in the leaves of your plant. The measurement is both simple and quick. Simply extract the juice of the leaf, place a few drops on the prism of the refractometer and you will have an indication on the health of your plant.



MA871 is supplied in a carton box or optionally can be ordered in a hard carrying case (MA752).

Specifications	MA871
Range	0 to 85% Brix 0 to 80°C
Resolution	0.1% Brix 0.1°C
Accuracy	±0.2% Brix ±0.3°C
Light source	yellow LED
Measurement time	approx. 1.5 seconds
Min. sample vol.	100 µL (cover prism totally)
Sample cell	SS ring and flint glass prism
Temp. Comp.	automatic
Case material	ABS
Battery life	approx. 5000 reading
Auto-shut off	after 3 minutes of non-use



THE pH ELECTRODE HAS A SHELF LIFE! IN ORDER TO PROLONG IT AND AVOID PROBLEMS RELATED TO CLOGGING OF THE JUNCTION AND/OR DIRTY pH ELECTRODE, KEEP THE pH ELECTRODE TIP ALWAYS WET AND CLEAN!!!

MT6003 NPK Soil Test Kit

The primary nutrients essential to plant growth and quality are Nitrogen, Phosphorous and Potassium. N is associated with plant growth above the ground, P is responsible for flower and fruit production as well as overall plant health. K helps disease resistance, water intake and strong root growth.

This kit provides accurate and professional tests and includes 25 sachets of Nitrogen (MT5009), Phosphorous (MT5010) and Potassium (MT5002), 3 x 100 mL bottles of extraction solution and 5 plastic test tubes. All results are compared to standards on laminated colour charts.

