

MC122 PRO/MC510 PRO/MC125 PRO

pH & ORP Controllers

With Milwaukee's MC Controllers you can monitor and control pH and/or ORP levels.

The Milwaukee Instruments MC Controllers have a user selectable set point and a visual "Power Activated" LED notification light. Power to the controller box is turned on when the reading is Above or Below the selected set point. These MC Controllers are ideal for CO₂ or ozone dosing. This could be controlled by a solenoid valve (MA955).

With each Milwaukee PRO controller, your aquarium will have the individual attention that it needs.

Each unit comes with 12 VDC adapter, mounting kit, probe and starter calibration solution for pH (factory calibrated for ORP).

Professional pH controller especially designed for use in aquariums and hydroponic systems.



MA955 Solenoid valve for CO₂ dosing

Key features include:

- User selectable Hi/Low Set Point
- Manual 2 points calibration
- Visual LED alarm
- Supplied with 12 VDC adapter and mounting kit
- Power plug for CO₂ dosing
- Double junction pH electrode and/or platinum ORP electrode (BNC connector)

| Specifications | MC122 PRO | MC510 PRO | MC125 PRO |
|----------------------|--|--|---|
| Range | 0.0 to 14.0 pH | ±1000 mV (ORP) | 0.00 to 14.00 pH; ±1000 mV (ORP) |
| Resolution | 0.1 pH | 1 mV (ORP) | 0.1 pH; 1 mV (ORP) |
| Accuracy (@25°C) | ±0.2 pH | ±5 mV (ORP) | ±0.2 pH; ±5 mV (ORP) |
| Set point pH | 5.5 to 9.5 pH | | 4 to 8 pH |
| Set point ORP | | 0 to 600 mV | -200 to 600 mV |
| Alarm | active when measurement is higher or lower than selected set point | active when measurement is higher or lower than selected set point | active when measurement is higher or lower than selected set points |
| Output power socket | relay, 230V / 117V; 8A | relay, 230V / 117V; 8A | relay, 230V / 117V; 8A |
| Output | active when measurement is higher or lower than selected set point | active when measurement is higher or lower than selected set point | active when measurement is higher or lower than selected set points |
| pH Electrode | MA911B/2 (included) | MA921B/2 (included) | MA911B/2 (included) |
| ORP Electrode | | MA921B/2 (included) | MA921B/2 (included) |
| Environment | 0 to 50°C / 32 to 122°F; max RH 95% | 0 to 50°C / 32 to 122°F; max RH 95% | 0 to 50°C / 32 to 122°F; max RH 95% |
| Power Supply | 12 VDC power adapter (included) | 12 VDC power adapter (included) | 12 VDC power adapter (included) |
| Power Drivers | 115VAC, 2A, 60Hz or 230VAC, 1A, 50Hz | 115VAC, 2A, 60Hz or 230VAC, 1A, 50Hz | 115VAC, 2A, 60Hz or 230VAC, 1A, 50Hz |
| Packaging dimensions | 276 x 129 x 138 mm | 276 x 129 x 138 mm | 276 x 129 x 138 mm |
| Packaging weight | 1.1 kg | 0.9 kg | 1.4 kg |

Accessories

- M10000B** Electrode rinse solution 20 mL sachet (25 pcs)
- M10004B** pH 4.01 buffer solution 20 mL sachet (25 pcs)
- M10007B** pH 7.01 buffer solution 20 mL sachet (25 pcs)
- M10010B** pH 10.01 buffer solution 20 mL sachet (25 pcs)
- MA9015** Electrode storage solution 20 mL sachet (25 pcs)
- MA9310** 12 VDC Adapter, 220 V
- MA9311** 12 VDC Adapter, 110 V
- MA955** Solenoid valve with 1.5 m cable
- MA911B/2** Double junction, gel filled pH electrode with 1 m cable
- MA921B/2** ORP Electrode with BNC connector and 2 m cable

Ordering Information

MC122 PRO is supplied complete with MA9310 12 VDC adapter, MA911B/2 pH electrode, 20 mL pH4.01 sachet of calibration solution, 20 mL pH7.01 sachet of calibration solution, calibration screwdriver and instructions, in a carton box.

MC510 PRO is supplied complete with MA9310 12 VDC adapter, MA921B/2 ORP electrode and instructions, in a carton box.

MC125 PRO is supplied complete with MA9310 12 VDC adapter, power plug socket for ozone dosing, MA911B/2 pH electrode, MA921B/2 ORP electrode, 20 mL pH7.01 sachet of calibration solution, calibration screwdriver and instructions, in a carton box.

