



# SMS122/SMS510/SMS125 pH & ORP Controllers

Ideal for the Aquarium market, the SMS122 pH controller enables you to automate your dosing of CO<sub>2</sub> and makes sure that the plants of your aquarium are always healthy. Simply plug in the solenoid valve to the plug socket supplied.

Every aquarium needs individual attention. This is why the SMS510 has a user selectable set point for the ORP (0 to 600 mV).




Simply plug the ozone generator into the controller's power plug and it will dose until the mV set point is reached.

It will automatically switch on again if the ORP falls below the adjusted point.

SMS125 has dual set points adjustable with knobs: for pH (4 to 8 pH) and for ORP (-200 to 600 mV).

Simply attach 2 solenoid valves or pumps to the plug sockets supplied to dose CO<sub>2</sub> and ozone as required! Perfect and ideal where 24-hours maintaining is required.

## Specifications

	 <b>SMS122</b>	 <b>SMS510</b>	 <b>SMS125</b>
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)	0.01 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
pH Alarm	active when measurement is higher than set point		active when measurement is higher than the set points
ORP Alarm		active when measurement is lower than set point	active when measurements are lower than set points
pH Output Power Socket	active when measurement is higher than set point (5A max)		active when measurement is higher than set point
ORP Output Power Socket		active when the measurement is lower than set point	active when the measurement is lower than set point
pH Electrode	MA911B/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
Dimensions	160 x 80 x 40 mm	160 x 80 x 40 mm	160 x 80 x 40 mm
Weight	220 g (meter only)	220 g (meter only)	220 g

## Accessories

- 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)
- MA911B/1 Double junction, gel filled pH electrode with 1 m cable



- MA921B/2 ORP Electrode with BNC connector and 2 m cable
- M10000B Electrode rinse solution 20 mL sachet (25 pcs)
- MA9015 Electrode storage solution 20 mL sachet (25 pcs)
- MA955 Solenoid valve with 1.5 m cable

## Ordering Information

SMS122 is supplied complete with 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.

SMS510 is supplied complete with 12 VDC adapter, MA921B/2 ORP electrode and instructions.

SMS125 is supplied complete with 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.